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Titolo	Biology of lactation [[electronic resource] /] / Jack Martinet, Louis-Marie Houdebine, Herbert-H. Head, editors
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Altri autori (Persone)	MartinetJack HoudebineLouis-Marie HeadHerbert-H
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Nota di contenuto	""Contents""; ""Introduction""; ""1. Mammary gland, mammogenesis, growth factors, lactogenesis J. Martinet, L. M. Houdebine""; ""Development of the mammary gland from the embryo stage to the first pregnancy""; ""Microscopic morphology""; ""Endocrinology of pregnancy""; ""Mammogenesis, growth factors and intercellular relationships""; ""Lactogenesis""; ""Milking and reproduction""; ""2. Placenta and lactation J. Martal, N. Chene""; ""Introduction""; ""Isolation, purification, and physiochemical characterization of placental lactogens"" ""Immunological characteristics and site of synthesis of PL""""Placental lactogens and lactation""; ""Bovine placental lactogen (bPL) and lactation""; ""Caprine placental lactogen (cPL) and lactation""; ""Human placental lactogen and lactation""; ""Discussion and conclusions""; ""3. Hormonal control of cell division and DNA synthesis in the mammary gland L. Zwierzchowski""; ""Mammary gland cell proliferation and DNA synthesis during pregnancy and lactation""; ""Experimental induction of mammary gland cell : proliferation and DNA synthesis in vivo and in

vitro""

""Interrelationship between the mammary gland growth and differentiation""""""Possible mechanisms and effectors involved in the mitogenic action of hormones on mammary gland cells""; ""Summary and conclusions""; ""4. Multi-faceted regulation of cell differentiation by extracellular matrix Claudia Q. Lin, Mina J. Bissell""; ""Introduction""; ""The mammary gland""; ""ECM regulation of hepatocyte function""; ""Regulation of keratinocyte function by ECM""; ""Conclusion""; ""5. Oncogenes, tumor suppressor genes and mammary tumors P. Hainaut, P. Berthon, M. Crepin""; ""Introduction""

""Risk factors for breast cancer in women""""""Molecular lesions in the progression of cancer""; ""Mammary tumors in experimental animals""; ""Genetic changes associated with human breast cancer""; ""Interrelations between hormones, growth factors and the products of cancer genes""; ""Concluding remarks : multiple steps involved in breast cancer progression""; ""6. Multifactorial regulation of prolactin secretion from lactotroph cells : transduction mechanisms A. Enjalbert""; ""Multifactorial regulation""; ""Transduction mechanisms in lactotroph cells""

""Multiple coupling mechanisms of membrane receptors""""""7. Prolactin-secreting adenomas and functional hyperprolactinemia F. Peillon""; ""Prolactinomas""; ""Functional hyperprolactinemia""; ""Pathophysiology""; ""8. Structure, function and expression of prolactin receptors in mammals Marc Edery, Paul A. Kelly""; ""Structure of prolactin receptor""; ""Prolactin receptor expression in the mammary gland""; ""Signal transduction pathways""; ""Knock-out mice""; ""9. Physiology and biochemistry of lactogenesis : stimulation by antiprogesterones Ricardo P. Deis, Antoine Perier, Graciela A. Jahn""

""Lactogenesis and parturition""

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Autore	Glassman Irvin
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Theory; G. Flame Stabilization in High-Velocity Streams; Problems; References; Chapter 5. Detonation; A. Introduction; B. Detonation Phenomena; C. Hugoniot Relations and the Hydrodynamic Theory of Detonations; D. Comparison of Detonation Velocity Calculations with Experimental Results; E. The ZND Structure of Detonation Waves; F. The Structure of the Cellular Detonation Front and Other Detonation Phenomena Parameters; G. Detonations in Nongaseous Media ProblemsReferences; Chapter 6. Diffusion Flames; A. Introduction; B. Gaseous Fuel Jets; C. Burning of Condensed Phases; D. Burning of Droplet Clouds; E. Burning in Convective Atmospheres; Problems; References; Chapter 7. Ignition; A. Concepts; B. Chain Spontaneous Ignition; C. Thermal Spontaneous Ignition; D. Forced Ignition; Problems; References; Chapter 8. Environmental Combustion Considerations; A. Introduction; B. The Nature of Photochemical Smog; C. Formation and Reduction of Nitrogen Oxides; D. SOx Emissions; E. Particulate Formation; F. Stratospheric Ozone; Problems; References Chapter 9. Combustion of Nonvolatile FuelsA. Carbon Char, Soot, and Metal Combustion; B. Metal Combustion Thermodynamics; C. Diffusional Kinetics; D. Diffusion-Controlled Burning Rate; E. The Burning of Porous Chars; F. The Burning Rate of Ash-Forming Coal; Problems; References; Appendixes; A. Thermochemical Data and Conversion Factors; B. Specific Reaction Rate Constants; C. Bond Dissociation Energies of Hydrocarbons; D. Laminar Flame Speeds; E. Flammability Limits in Air; F. Spontaneous Ignition Temperature Data; G. Minimum Spark Ignition Energies and Quenching Distances H. Programs for Combustion Kinetics

Sommario/riassunto

This Third Edition of Glassman's classic text clearly defines the role of chemistry, physics, and fluid mechanics as applied to the complex topic of combustion. Glassman's insightful introductory text emphasizes underlying physical and chemical principles, and encompasses engine technology, fire safety, materials synthesis, detonation phenomena, hydrocarbon fuel oxidation mechanisms, and environmental considerations. Combustion has been rewritten to integrate the text, figures, and appendixes, detailing available combustion codes, making it not only an excellent introductory text but al