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Nota di contenuto	Interdisciplinary Approach in Breast Cancer -- Circulating Tumor Cells in Breast Cancer -- Breast Cancer Cells Extravasation Across the Blood-Brain Barrier: From Basic to Translational Research -- Turn in Breast Cancer Care: Upregulation of Estrogen Signal May Be Much More Effective than Its Inhibition -- Role of Membrane Estrogen Receptor (GPER1) on the Function of Immune Cells and Its Consequences on Breast Cancer Pathophysiology -- The Effect of Dietary n-3 Polyunsaturated Fatty Acids on Non-obese and Obesity-Associated Breast Cancer -- The Role of Soy and Its Isoflavones in Breast Cancer: Beneficial or Harmful? -- Mammographic Breast Density and Utility in Breast Cancer Screening and Clinical Decision-Making -- Advanced 3D

	In Vitro Models to Recapitulate the Breast Tumor Microenvironment -- Breast Cancer Metastasis to Bone: Look into the Future -- Breast Cancer: The Fight for Survival Is Won: What Is the Evidence for Preserving Fertility? -- Breast Cancer and Pregnancy: Challenges for Maternal and Newborn Successful Outcomes -- Computer-Aided Approach for BI-RADS Breast Density Classification: Multicentric Retrospective Study -- Correction to: Mammographic Breast Density and Utility in Breast Cancer Screening and Clinical Decision-Making.
Sommario/riassunto	Breast cancer is one of the most prevalent malignancies worldwide, particularly in females, with a high rate of cancer-related deaths globally. Increasing age, obesity, harmful use of alcohol, family history of breast cancer, starting age of menstrual periods, and tobacco use are some of the risk factors for breast cancer. The fifth volume of the “Interdisciplinary Cancer Research” series, entitled “Breast Cancer Pathophysiology: An Interdisciplinary Approach” publishes comprehensive volumes on the mechanisms of breast cancer, early detection, assessment, and patient outcome. The role of defective estrogen signals, membrane estrogen receptor, and dietary polyunsaturated fatty acids in breast cancer are also presented in this volume. This interdisciplinary series is of special value to researchers working on cell biology, immunology, biochemistry, genetics, and practitioners working on oncology. This is the main concept of Cancer Immunology Project (CIP), which is a part of Universal Scientific Education and Research Network (USERN). This interdisciplinary book will be of special value to researchers, oncologists, and oncosurgeons who wish to extend their knowledge on breast cancer.