

Cell Culture: Techniques and Applications

About the Book

The process of growing cells outside their natural environment is called cell culture. After isolating them from the living tissue, the cells are grown under controlled conditions. They can be grown using an artificial substrate or in a free floating culture medium. Cell culture finds extensive applications in the fields of tissue engineering, molecular biology, cellular agriculture, nanomaterials assessment, drug discovery, regenerative medicines and vaccines. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. This book is a vital tool for all researching or studying techniques and applications of cell culture as it gives incredible insights into emerging trends and concepts.

About the Editor

Ted Myers pursued his M.Sc. in Cellular Biology from The University of Manchester, United Kingdom. He works with International Federation for Cell Biology and his work focuses on stem cell therapy, cytokine receptors and T-cell development in a dish. Today, he is a veteran in the field of cell and tissue culture with numerous revolutionizing texts, articles and research papers to his credit. Myers is a prolific writer and his works have been published worldwide.

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