

# Biocatalysis: Revolutionizing Chemical Processes through Enzyme Technology

Akash Sen Roy\*

Department of Microbiology, University of Kalyani, India

## Abstract

Biocatalysis, the use of natural catalysts such as enzymes and cells to perform chemical transformations, is transforming a range of industries by offering more efficient, sustainable, and selective processes. Enzymes, the proteins that accelerate biochemical reactions, are increasingly recognized for their potential in manufacturing, environmental applications, and even medicine. This article explores the principles of biocatalysis, its applications, and its future prospects.

---

\*Corresponding author: Akash Sen Roy, Department of Microbiology, University of Kalyani, India, E-mail: akash78@gmail.com

**Received:** 02-Sept-2024, Manuscript No: jbrbd-24-144900, **Editor Assigned:** 04-Sept-2024, pre QC No: jbrbd-24-144900 (PQ), **Reviewed:** 19-Sept-2024, QC No: jbrbd-24-144900, **Revised:** 23-Sept-2024, Manuscript No: jbrbd-24-144900: (R), **Published:** 30-Sept-2024, DOI: 10.4172/2155-6199.1000644

**Citation:** Akar

terms of the Creative Commons Attribution License, which permits unrestricted

10 .

