

Peer Review

Review of: "The Steady State Approximation in Enzyme Kinetics: Reflections in Its Centennial Year"

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The authors provide a comprehensive overview of one of the foundational concepts in enzyme kinetics, highlighting its significance and evolution over the past century. This piece is both a tribute to the original work and a critical analysis of its implications in modern biochemistry.

One of the standout features of the paper is its balance between historical narrative and technical exposition. The authors delve into the mathematical underpinnings of the SSA, making it accessible to readers who may not have a strong background in the subject. They provide clear examples and applications, demonstrating the SSA's utility in various biochemical contexts.

Overall, "The Steady State Approximation in Enzyme Kinetics: Reflections in Its Centennial Year" is an insightful and well-crafted review that honours the legacy of the SSA while also addressing its modern applications and limitations. It serves as an essential resource for both students and seasoned researchers in the field of biochemistry. The authors successfully bridge the gap between historical significance and current relevance, making a compelling case for the continued study and application of the steady state approximation in enzyme kinetics.

Declarations

Potential competing interests: No potential competing interests to declare.