

Editorial for the 6th Issue of the Gene Editing

Dear Readers,

It is my pleasure to present Issue 6 (2025) of *Gene Editing*, which brings together three timely review articles addressing both therapeutic and biosafety dimensions of contemporary genome engineering. This issue reflects our continued commitment to covering gene editing and gene therapy research with depth, rigor, and translational relevance.

The issue opens with Selin Yürekli's review on **gene therapy for Aromatic L-amino acid decarboxylase (AADC) deficiency**, summarizing recent clinical advancements and discussing their implications for both pediatric and adult patients. This article highlights how sustained progress in vector design and delivery is translating into meaningful clinical benefit for rare neurometabolic disorders.

In the second contribution, Ayberk Pedük's review on the **recent developments in gene therapies for vascular disorders**, a field that has gained renewed momentum with advances in genome editing, RNA-based approaches, and endothelial-targeted delivery strategies. The authors critically assess emerging therapeutic concepts and remaining translational challenges in cardiovascular medicine.

The issue concludes with a review on **recent breakthroughs and biosafety considerations in plant genome editing**. This article provides a balanced perspective on technological innovation alongside regulatory and ecological concerns, underscoring the importance of responsible deployment of genome editing tools in agricultural and environmental contexts.

Collectively, these articles illustrate the breadth of gene editing applications across human health and plant biology, while emphasizing the shared need for safety, precision, and ethical responsibility. I would like to sincerely thank the authors and reviewers for their valuable contributions, and the editorial team for their continued dedication.

I hope this issue will be informative and thought-provoking for our readers, and that it will stimulate further research and discussion in the rapidly evolving field of gene editing.

Sincerely,

Fatih Kocabaş

Editor-in-Chief

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Editors-in-chief

Prof. Dr. Fatih Kocabaş

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