

Special Issue

The Application of Platelet-Derived Products for Tissue Regeneration in Companion and Farm Animals

Message from the Guest Editors

The increasing application of platelet-derived products (PDPs), such as platelet-rich plasma (PRP) or platelet lysate (PL), can be attributed to their high content of bioactive molecules, including growth factors and cytokines, crucial for tissue repair and regeneration. These products are derived from minimally invasive procedures. However, the veterinary field faces challenges due to the absence of standardized protocols for producing PDPs. The aim of this SI is to describe the most recent advances in the application of PDPs as a therapeutic for tissue regeneration in veterinary medicine. Contributions on the novel formulation of PDPs and in vitro studies describing the mechanisms of action and innovative techniques for PDPs isolation are highly encouraged. These submissions could improve the state of the art about the application of PDPs in veterinary medicine by helping the scientific community standardize and enhance PDPs' potential in veterinary regenerative medicine and tissue engineering (TERM). Researchers are invited to submit original research papers, case studies, or reviews that focus on the study of PDPs in veterinary medicine.

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Deadline for manuscript submissions

28 February 2026



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/234523

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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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