

Special Issue

Vaginal Drug Delivery for Local and Systemic Applications

Message from the Guest Editors

There has been growing interest in delivering drugs via the vaginal route for local and systemic delivery. The large surface area, high vasculature, access to the lymphatic system and potential for drug delivery throughout the female reproductive tract makes the vagina a desirable route of administration. As a result, this route has been exploited for delivering a wide variety of drugs including antimicrobials, antifungals, contraceptives, anticancer drugs, and labor-inducing drugs. In addition to small molecule drugs, labile drugs such as antibodies, proteins, genes, and probiotics have also been delivered via the vaginal route. This Special Issue welcomes any topics regarding aspects that impact vaginal drug delivery research including research toward a better understanding of the biological components that impact drug disposition within the female lower reproductive tract, novel vaginal drug delivery systems, new vaginal products, animal or imaging methods to evaluate vaginal products, in vitro experimental methods to facilitate vaginal product development, compartment-specific modeling, in vitro–in vivo relationships, behavioral research, and preclinical assessments.

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