European Journal of Gynaecological Oncology

Special Issue

Advances in Ovarian Cancer Research

Guest Editor

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Dear Colleagues,

Ovarian cancer remains a significant and challenging health issue worldwide, posing a considerable burden on women's health. It is the eighth most common cancer among women and the fifth leading cause of cancer-related deaths in women. The high mortality rate is often attributed to the late-stage diagnosis and limited treatment options available. Over the years, scientific research has been dedicated to understanding the complexities of ovarian cancer, aiming to improve early detection methods, develop targeted therapies, and enhance patient outcomes.

Additionally, efforts to test the relatives of ovarian cancer patients for gene mutations are crucial. Identifying these mutations early can help in taking preventive measures and tailoring more effective treatment plans, addressing the global variation in ovarian cancer incidence and outcomes.

This special issue on Advances in Ovarian Cancer Research holds immense significance in the field of oncology and women's health. It serves as a platform to consolidate the latest findings, breakthroughs, and innovations in ovarian cancer research. By illuminating the current landscape of research efforts, this special issue aims to raise awareness about the challenges faced in combating ovarian cancer and inspire collaboration among researchers, clinicians, and policymakers. Furthermore, it provides insights into emerging trends, novel therapeutic approaches, and promising biomarkers that have the potential to revolutionize ovarian cancer management.

Print ISSN: 0392-2936
Online ISSN: 2709-0086

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Recent advancements in ovarian cancer research have shown promising developments. One such advancement is fluorescence-guided surgery, which uses fluorescent drugs to highlight cancerous tissues, enabling more precise tumor removal. This technique significantly improves the outcomes of cytoreductive surgery, a standard treatment approach for reducing tumor burden before chemotherapy.

The primary goal of this special issue is to present a comprehensive overview of the recent advancements in ovarian cancer research. Through a collection of original research articles, review papers, and expert commentaries, this special issue aims to address key research gaps, identify unmet clinical needs, and propose innovative strategies for advancing the field. Additionally, by encouraging interdisciplinary discussions and knowledge exchange, the special issue seeks to foster a collaborative environment that accelerates the translation of scientific discoveries into clinical practice. Ultimately, the goal is to drive progress towards personalized treatment approaches, improved survival rates, and ultimately, a cure for ovarian cancer.

In conclusion, the Special Issue on Advances in Ovarian Cancer Research offers a unique opportunity to highlight the collective efforts of the scientific community towards combating this challenging disease. By highlighting cuttingedge research and pioneering initiatives, this special issue aims to inspire transformative changes in the field of ovarian cancer research and pave the way for a brighter future for women affected by this devastating illness.

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Guest Editor

Key Words: Ovarian cancer; Cytoreductive surgery; Recurrent ovarian cancer; Retroperitoneal lymphadenectomy; Women cancer global variation

Submission Deadline: 31 October 2025

Online Submission System: https://js.ejgo.net/ch/author/login.aspx

Print ISSN: 0392-2936
Online ISSN: 2709-0086

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