

1. Record Nr.	UNICAMPANIASUN0125699
Titolo	Chemistry and Chemical Technologies in Waste Valorization / Carol Sze Ki Lin editor
Pubbl/distr/stampa	X, 283 p., : ill. ; 24 cm
Edizione	[Cham : Springer, 2018]
Descrizione fisica	Pubblicazione in formato elettronico
Disciplina	660 660.6 540 577.14
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910300211903321
Titolo	Vitrification in Assisted Reproduction [[electronic resource]] : A User's Manual / / edited by Gautam Allahbadia, Masashige Kuwayama, Goral Gandhi
Pubbl/distr/stampa	New Delhi : , : Springer India : , : Imprint : Springer, , 2015
ISBN	81-322-1527-3
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (109 p.)
Disciplina	610 612.6 618.1 618.2
Soggetti	Reproductive health Gynecology Obstetrics Reproductive Medicine Obstetrics/Perinatology/Midwifery
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Vitrification: An Overview -- Vitrification Solutions: Historical Development -- Vitrification of Oocytes: General Considerations -- Sperm Vitrification -- Ovarian Tissue Vitrification for Fertility Preservation -- Clinical Applications of Vitrification -- Vitrification Of Day 2-3 Human Embryos Using Various Methods -- Current Trends In Fertility Preservation Through Egg Banking -- Nitrogen Vapor Shipment Of Vitrified Cells: Challenges, Caution and Emerging Opportunities -- Oocyte Banking: Current Perspectives -- Vitrification of Human Embryonic Stem Cells
Sommario/riassunto	Advances in technology now offer promising solutions to deal with the chronological aging of the cell, tissue or organ to synchronize its existence and its use. This book covers the developments in and benefits of the latest vitrification technology and its extensive applications in reproductive medicine. Protocols of gametes (oocyte and sperm), embryos, blastocysts and ovarian tissue cryopreservation have been reviewed by leaders in the field. In order to address the escalation in cross-border reproductive tourism entailing the transfer of reproductive cells and tissues rather than the patient, the challenges, caution and emerging possibilities of nitrogen vapor shipment of vitrified cells have been discussed. Current perspectives on oocyte banking present the reader with options and solutions to effectively utilize these gametes despite the physiological deterrents. The versatile applications and potential of vitrification of human embryonic stem cells, discussed in the concluding chapter, is an exciting reality offered by vitrification to help overcome numerous stumbling blocks in the management of various disorders.