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Titolo	Tea: Genome and Genetics / / by Tapan Kumar Mondal
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-8868-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XXIII, 312 p. 17 illus., 8 illus. in color.)
Disciplina	633.72
Soggetti	Plant biotechnology Plant genetics Plants - Development Plant physiology Plant Biotechnology Plant Genetics Plant Development Plant Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction -- Chapter 2. Genetics and breeding -- Chapter 3. Micropropagation -- Chapter 4. Somatic embryogenesis and alternative in vitro techniques -- Chapter 5. Genetic transformation -- Chapter 6. Molecular marker -- Chapter 7. Stress physiology -- Chapter 8. Functional genomics. .
Sommario/riassunto	Tea is an important non-alcoholic beverage plant of the world. Cultivation of tea is also commercially very important as it earns huge revenue for the tea growing nations especially the developing countries such as India. Although conventional breeding is well-established and contributes significantly for varietal improvement of this plant and other <i>Camellia</i> species with ornamental value, yet, applications of biotechnology vis a vis genomics are essential to improve the productivity and quality of the tea. This book brings out various aspects of breeding, biotechnology and genomics of tea plants. It covers i) Origin and descriptions of health benefits as well as morphological classification as first chapter, ii) Breeding and

cytogenetics that comprise with various conventional approaches of varietal improvement of tea along with their genetic resources, iii) Micro-propagation which deals with in-depth study of clonal propagation, iv) Somatic embryogenesis along with alternative techniques such as suspension culture, cry-preservation etc, v) Molecular breeding that deals with application of various DNA based markers such as discovery of QTL, linkage map etc, vi) Genetic transformation and associated factors, vii) Stress physiology complied various works done in tea along with its wild relatives on abiotic as well as biotic stress and viii) Functional genomics that describes the various works of molecular cloning and characterizations, differential gene expression, high-throughput sequencing, bioinformatics transcriptomics study that described the application of next generation sequencing to discover various genes that are related to various trait of tea, Non-coding RNA which describes the discovery of various non-coding RNA in tea and related genera. The book also discusses recent developments in biotechnology such as metabolomics, proteomics, genome sequence and popular clone varieties of tea crops that are developed across the world. In conclusion, the book collates the work on tea plantations so far, identified the problems, analyzes the gaps on breeding and biotechnological works of tea as well as its wild species and discusses the future scopes as conclusion. The book aims to cover all latest information till june, 2020 . It will be useful resource for post-graduate, doctoral as well post-doctoral students working on tea as well as other woody plants. This will also be useful for the scientists working in the areas of life sciences, genomics, biotechnology and molecular biology.

2. Record Nr.	UNINA9910340847603321
Autore	Solovyov Vladimir Sergeyevich <1853-1900, >
Titolo	Filosofia teoretica
Pubbl/distr/stampa	Accademia University Press
ISBN	9788897523611 8897523617 9788899200169 8899200165
Descrizione fisica	1 online resource
Soggetti	Philosophy
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>La Filosofia teoretica di Solov'ev raccoglie tre articoli apparsi tra 1897 e 1899 sulla rivista moscovita <i>Questioni di filosofia e psicologia</i> diretta da Lopatin, amico d'infanzia dello stesso Solov'ev. Questi articoli verranno successivamente indicati come i primi tre capitoli della «filosofia teoretica» e costituiscono il primo passo, l'impetus di un intero sistema della metafisica, rivolto a coloro che esigono il rigore del pensiero e sono capaci di uno sguardo intellettuale o speculativo. Solov'ev pone qui in stretta connessione il problema gnoseologico e quello ontologico, esponendo l'identità della domanda sull'essere e di quella sulla verità attraverso l'interrogazione sulla natura ontologica del male.</p>