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Autore	Shah Farooq
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Altri autori (Persone)	KhanZafar IqbalAmjad TuranMetin OlgunMurat
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Nota di contenuto	Introductory chapter: Recent advances in grain crops research -- CRISPR/Cas9-mediated gene editing in grain crops -- Wheat in the era of genomics and transgenics -- Morphophysiological and photosynthetic reactions of wheat (T. aestivum L.) and its wild congeners to drought condition in vivo and in vitro -- Improving dual-purpose winter wheat in the Southern Great Plains of the United States -- Wheat production in India: trends and prospects -- Rice grain quality: current developments and future prospects -- Neglected and underutilized legume crops: improvement and future prospects.
Sommario/riassunto	Cultivation of grain crops has been rightly recognized as one of the main drivers in shaping human civilizations. Considering their key role in fulfilling a major portion of the global food needs, grain crops are the most widely grown crops around the world. Unfortunately, like many other agronomic crops, grain crops are quite vulnerable to climate change and this has posed multifaceted threats to agricultural sustainability. To add to the menace, the deteriorating quantity and quality of both land and water as primary factors of production are further aggravating the scenario. Confronting such challenges demands

innovative adaptation strategies through intensification of grain crop production that can ensure grain self-sufficiency worldwide.