

1. Record Nr.	UNINA9911019330203321
Autore	Smith Cecil L
Titolo	Basic process measurements // Cecil L. Smith
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2009
ISBN	1-282-76459-4 9786612764592 0-470-92540-X 0-470-92539-6
Descrizione fisica	1 online resource (358 p.)
Disciplina	670.42
Soggetti	Manufacturing processes - Measurement Engineering inspection Measurement Physical measurements Measuring instruments
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 and index.
Nota di contenuto	Basic concepts -- Temperature -- Pressure -- Level and density -- Flow.
Sommario/riassunto	"Basic Process Measurements provides a unique resource explaining the industrial measuring devices that gauge such key variables as temperature, pressure, density, level, and flow. With an emphasis on the most commonly installed technologies, this guide outlines both the process variable being measured as well as how the relevant measuring instruments function. The benefits of each technology are considered in turn, along with their potential problems. Looking at both new and existing technologies, the book maintains a practical focus on properly selecting and deploying the best technology for a given process application." -- Publisher's description.

2. Record Nr.	UNINA9910422649503321
Titolo	Accelerated Plant Breeding, Volume 3 : Food Legumes // edited by Satbir Singh Gosal, Shabir Hussain Wani
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-47306-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVII, 430 p. 40 illus., 31 illus. in color.)
Disciplina	635.65
Soggetti	Plant biotechnology Plant genetics Nutrition Agriculture Plant Biotechnology Plant Genetics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Foreword -- Preface -- Efficient Breeding of Pulse Crops -- Advances in Chickpea Breeding and Genomics for Varietal Development and Traits Improvement in India -- Conventional and Biotechnological Approaches for Trait Targeted Improvement in Lentil -- Updates Pigeonpea Breeding and Genomics for Yield Improvement in India -- "Genomics-Assisted Breeding Green Gram (Vigna radiata (L.) Wilczek) for Accelerating Genetic Gain" -- Breeding For High Yielding and Disease Resistant Urdbean Cultivars -- Lentil Breeding in Genomic Era: Present Status and Future Prospects -- Chickpea Breeding for Abiotic Stress: Breeding Tools and 'Omics' Approaches for Enhancing Genetic Gain -- Recent Advances in Mungbean Breeding -- A Perspective -- Genetic Advancement in Dry Pea (Pisum Sativum L.): Retrospect and Prospect -- Translational Genomics and Breeding in Soybean -- Efficient Improvement in an Orphan Legume, Horsegram, Macrotyloma uniflorum (Lam.) Verdi, using Conventional and Molecular Approaches -- Molecular and Conventional Breeding Strategies for Improving Biotic Stress Resistance in Common Bean -- Index.

Plant improvement has shifted its focus from yield, quality and disease resistance to factors that will enhance commercial export, such as early maturity, shelf life and better processing quality. Conventional plant breeding methods aiming at the improvement of a self-pollinating crop, such as wheat, usually take 10-12 years to develop and release of the new variety. During the past 10 years, significant advances have been made and accelerated methods have been developed for precision breeding and early release of crop varieties. The proposed volume work thus plans to summarize concepts dealing with germplasm enhancement and development of improved varieties based on innovative methodologies that include doubled haploidy, marker assisted selection, marker assisted background selection, genetic mapping, genomic selection, high-throughput genotyping, high-throughput phenotyping, mutation breeding, reverse breeding, transgenic breeding, shuttle breeding, speed breeding, low cost high-throughput field phenotyping, etc. It will be an important reference with special focus on accelerated development of improved crop varieties.

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