

1. Record Nr.	UNINA9910821354003321
Titolo	Geometric analysis : partial differential equations and surfaces : UIMP-RSME Santalo Summer School geometric analysis, June 28-July 2, 2010, University of Granada, Granada, Spain / / Joaquin Perez, Jose A. Galvez, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2012] ©2012
ISBN	0-8218-8782-3
Descrizione fisica	1 online resource (198 p.)
Collana	Contemporary mathematics, ; 570 , 0271-4132 , 0271-4132
Classificazione	53A1035B3335B4035J2035J2535J9635J6049Q0553C4253C45
Disciplina	516.3/62
Soggetti	Minimal surfaces Geometry, Differential Differential equations, Partial - Asymptotic theory
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.
Nota di contenuto	Preface -- Geometric PDEs in the presence of isolated singularities -- 1. Introduction -- 2. The Hessian one equation: preliminaries -- 3. Isolated singularities of - local study -- 4. Isolated singularities of - global study -- 5. Surfaces of constant curvature in $\mathbb{A}^3$ -- 6. Isolated singularities of the constant curvature equation -- 7. Immersed isolated singularities -- 8. Peaked spheres -- 9. Further results and open problems -- References -- Constant mean curvature surfaces in metric Lie groups -- 1. Introduction -- 2. Lie groups and homogeneous three-manifolds -- 3. Surface theory in three-dimensional metric Lie groups -- 4. Open problems and unsolved conjectures for -surfaces in three-dimensional metric Lie groups -- References -- Stochastic methods for minimal surfaces -- 1. Introduction -- 2. Basic notions -- 3. Parabolicity and area growth -- 4. Coupling -- References -- The role of minimal surfaces in the study of the Allen-Cahn equation -- 1. The role of minimal hypersurfaces -- 2. Entire solutions of the Allen-Cahn equation in Euclidean space -- 3. Proof of Theorem 1.1 -- References -- On curvature estimates for constant mean curvature surfaces --

Introduction -- 1. Bounding -- 2. Schoen Curvature Estimate -- 3. Choi-Schoen Curvature Estimate -- 4. Colding-Minicozzi One-Sided Curvature Estimate -- 5. Curvature Estimate For CMC Disks -- References.

2. Record Nr.	UNINA9910987495003321
Autore	Suryawanshi Yogesh
Titolo	Oilseed Crops
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2025 ©2025
ISBN	9781394186402 1394186401 9781394186426 1394186428 9781394186419 139418641X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (538 pages)
Altri autori (Persone)	ShahnawazMohd PariharJyoti DarRefaz Ahmad SamyaShallu AdeAvinash B
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Series Page -- Title Page -- Copyright Page -- Dedication -- Contents -- Preface -- Acknowledgments -- About the Book -- Chapter 1 Sustainable Era of Oilseed Plants: A General Introduction -- 1.1 Introduction -- 1.2 Strategies for Enhancement in Oil Production from Oilseed Plants on Sustainable Basis -- 1.2.1 Irrigation Techniques -- 1.2.2 Moisture Preservation Strategies -- 1.2.3 Weed Management Practices -- 1.2.4 Selection of Crop and Variety -- 1.2.5 Crop Rotations -- 1.3 Development of Tolerant Varieties to Biotic and Abiotic Stresses

-- 1.4 Soil Amendments -- 1.5 Integrated Pest Management (IPM) -- 1.6 Intercropping -- 1.7 Breeding of Oilseed Plants to Mitigate Climate Change -- 1.8 Role of Genomics and Genetic Manipulation in Oilseed Plants -- 1.8.1 Molecular Adjustments of Oilseed Crops -- 1.8.2 Cisgenesis in Oilseed Plants -- 1.8.3 Genome Plasticity and Phenotypic Plasticity -- 1.8.4 Gene Expression -- 1.9 Carbon Footprint and Greenhouse Gas (GHG) Emissions -- 1.10 Oil in Contrast to Protein in Oilseed Crops -- 1.11 Genetic Architecture of Seed Quality and Ideotypes -- 1.12 Prioritizing Breeding Objectives of Oilseed Crops -- 1.13 Phenological Plasticity and Plant Architecture -- 1.14 Pre-Breeding for Oilseed Crops and Germplasm Enhancement -- 1.15 Novel Vision Towards Sustainable Epoch of Oilseed Plants-the "Omics" -- 1.15.1 Plant Breeding Associated with Genomics Based Techniques -- 1.15.1.1 QTL or Linkage Mapping -- 1.15.1.2 Genome-Wide Association/Linkage Disequilibrium (LD) Mapping -- 1.15.1.3 Marker-Assisted Selection (MAS) for Gene Introgression -- 1.15.1.4 Oilseed Crop Improvement Through Transgenic Breeding -- 1.16 Transcriptomic Approach -- 1.17 Metabolomics Approach -- 1.18 Conclusion -- References -- Chapter 2 Edible Oilseed Plants: An Overview -- 2.1 Introduction -- 2.2 Types of Edible Oils -- 2.2.1 Zea mays (Maize). 2.2.2 Elaeis guineensis (Palm) -- 2.2.3 Aleurites moluccana -- 2.2.4 Linum strictum -- 2.2.5 Arachis (Groundnut) -- 2.2.6 Gossypium (Cottonseed) -- 2.2.7 Helianthus annuus (Sunflower) -- 2.2.8 Sesamum (Sesame) -- 2.2.9 Carthamus tinctorius (Safflower) -- 2.2.10 Glycine (Soyabean) -- 2.2.11 Hibiscus -- 2.2.12 Persea americana -- 2.2.13 Brassica -- 2.3 Benefits Offered by Oilseeds -- 2.4 Adulteration -- 2.5 Conclusion -- References -- Chapter 3 Non-Edible Oilseeds: An Overview -- 3.1 Introduction -- 3.2 Major Non-Edible Tree-Borne Oilseeds (TBOs) -- 3.2.1 Jatropha curcas (Ratanjot) -- 3.2.1.1 Composition of Oil -- 3.2.2 Pongamia pinnata (Karanj) -- 3.2.2.1 Composition of Oil -- 3.2.3 Azadirachta indica (Neem) -- 3.2.3.1 Composition of Oil -- 3.2.4 Madhuca longifolia (Mahua) -- 3.2.4.1 Composition of Oil -- 3.2.5 Ricinus communis (Castor) -- 3.2.5.1 Composition of Oil -- 3.3 Biodiesel -- 3.4 Transesterification -- 3.4.1 Transesterification that is Catalyzed by Bases -- 3.4.2 Transesterification that is Catalyzed by Acid -- 3.5 Conclusion -- References -- Chapter 4 Challenges in Collection, Storage, Extraction, and Detection of Oil in Oilseed Crops -- 4.1 Introduction -- 4.2 Challenges in Collection and Storage of Oil from Oilseed Crops -- 4.2.1 Problems and Constraints in Cultivation of Oilseed Crops -- 4.2.2 Constraints and Problems in Oilseed Collection -- 4.2.2.1 Challenging Factors of Abiotic Stress -- 4.2.2.2 Challenging Factors of Biotic Stress -- 4.2.3 Constraints and Challenging Factors of Storing of Oilseeds -- 4.2.3.1 Constraints and Problems in Quality of Seeds for the Period of Storage -- 4.2.3.2 Constraints and Difficulties Impact the Active Components of Seed During Store Time -- 4.3 Challenges in Extraction and Detection of Oil from Oilseed Crops -- 4.3.1 Need of Life Cycle and Ecological Effect Assessment on Expression of Oilseed Oil. 4.3.2 Requirement of Techno-Economic Analysis (TEA) in Extraction of Seed Oil -- 4.3.3 Requirement of the Recognition of Seed Oil -- 4.3.4 The Chief Pollutants in Fixed Oil of Seeds -- 4.3.4.1 Fungal Toxins -- 4.3.4.2 Pesticide Content -- 4.3.4.3 Elements as Heavy Metals in Edible Oil -- 4.4 Limitations and Problems in Various Methods of Detection of Seed Oil -- 4.5 Conclusion -- References -- Chapter 5 Bacterial Pathogens of the Oilseed Crops: Loss of Yield and Crop Management -- 5.1 Introduction -- 5.2 Bacterial Pustule Disease -- 5.2.1 Causative Pathogenic Bacteria -- 5.2.2 Colony Morphology -- 5.2.3 Cultural

Morphological Characters -- 5.2.4 Symptoms of the Disease -- 5.2.5 Disease Management -- 5.2.5.1 Host Resistance -- 5.2.5.2 Cultural Control -- 5.2.5.3 Chemical Control -- 5.3 Bacterial Blight -- 5.3.1 Causative Pathogenic Bacterium -- 5.3.2 Colony Morphology -- 5.3.3 Cultural Morphological Characters -- 5.3.4 Symptom of the Disease -- 5.3.5 Disease Management Control -- 5.3.5.1 Host Plant Resistance -- 5.3.5.2 Biological Control -- 5.3.5.3 Chemical Control -- 5.3.5.4 Cultural Control -- 5.4 Bacterial Top/Stalk Rot -- 5.4.1 Causative Pathogenic Bacteria -- 5.4.2 Colony Morphology -- 5.4.3 Cultural Morphological Characters -- 5.4.4 Symptoms of the Disease -- 5.4.5 Disease Management -- 5.4.5.1 Cultural Control -- 5.4.5.2 Host Resistance -- 5.4.5.3 Chemical Control -- 5.4.5.4 Biological Control -- 5.5 Bacterial Wilt of Peanut -- 5.5.1 Causative Pathogenic Bacteria -- 5.5.2 Colony Morphology -- 5.5.3 Cultural Morphological Characters -- 5.5.4 Symptoms of the Disease -- 5.5.5 Disease Management -- 5.5.5.1 Host Plant Resistance -- 5.5.5.2 Cultural Control -- 5.5.5.3 Biological Control -- 5.5.5.4 Chemical Control -- 5.6 Bacterial Rot -- 5.6.1 Causative Pathogen Bacterium -- 5.6.2 Colony Morphology -- 5.6.3 Cultural Morphological Characters. -- 5.6.4 Symptoms of the Disease -- 5.6.5 Disease Management -- 5.6.5.1 Host Plant Resistance -- 5.6.5.2 Biological Control -- 5.6.5.3 Chemical Control -- 5.7 Peanut Witches' Broom -- 5.7.1 Causative Pathogenic Bacterium -- 5.7.2 Colony Morphology -- 5.7.3 Cultural Morphological Characters -- 5.7.4 Symptoms of the Disease -- 5.7.5 Disease Management Control -- 5.7.5.1 Disease Resistant Crops -- 5.7.5.2 Tissue Culture -- 5.7.5.3 Plantibodies -- 5.7.5.4 Antibiotics -- 5.8 Phyllody and Aster Yellows -- 5.8.1 Causative Pathogenic Bacterium -- 5.8.2 Colony Morphology -- 5.8.3 Cultural Morphological Characters -- 5.8.4 Symptoms of the Disease -- 5.8.5 Disease Management Control -- 5.8.5.1 Disease Resistant Crops -- 5.8.5.2 Tissue Culture -- 5.8.5.3 Plantibodies -- 5.8.5.4 Antibiotics -- 5.9 Other Bacterial Diseases -- 5.10 Conclusion -- References -- Chapter 6 Fungal Pathogens of the Oilseed Crops: Loss of Yield and Crop Management -- 6.1 Introduction -- 6.2 Seed Rot and Seedling Disease Complex -- 6.2.1 Causative Pathogenic Fungi -- 6.2.2 Colony Morphology -- 6.2.3 Symptoms Related to Disease -- 6.2.4 Disease Management -- 6.2.4.1 Cultural Control -- 6.2.4.2 Biological Control -- 6.2.4.3 Chemical Control: Fungicidal Seed Treatment -- 6.3 Early and Late Leaf Spots -- 6.3.1 Causative Pathogenic Fungi -- 6.3.2 Colony Morphology -- 6.3.3 Symptoms Related to Disease -- 6.3.4 Disease Management -- 6.3.4.1 Host Plant Resistance -- 6.3.4.2 Molecular Breeding and Transgenic Peanuts for ELS and LLS Resistance -- 6.3.4.3 Cultural Control -- 6.3.4.4 Biological Control -- 6.3.4.5 Chemical Control -- 6.4 Rust Disease of Peanuts -- 6.4.1 Causative Pathogenic Fungus -- 6.4.2 Colony Morphology -- 6.4.3 Symptoms Related to Disease -- 6.4.4 Disease Management -- 6.4.4.1 Host Plant Resistance. -- 6.4.4.2 Molecular Breeding and Genetically Modified Peanuts for Resistance to the Rust Disease -- 6.4.4.3 Cultural Control -- 6.4.4.4 Biological Control -- 6.4.4.5 Chemical Control -- 6.5 Yellow Mold and Aflaroot -- 6.5.1 Causative Pathogenic Fungus -- 6.5.2 Colony Morphology -- 6.5.3 Symptoms Related to Disease -- 6.5.3.1 Yellow Mold Phase -- 6.5.4 Disease Management -- 6.5.4.1 Chemical Control by Fungicide -- 6.5.4.2 Biocontrol -- 6.6 Sclerotium Stem Rot -- 6.6.1 Causative Pathogenic Fungus -- 6.6.2 Colony Morphology -- 6.6.3 Symptoms Related to Disease -- 6.6.4 Disease Management -- 6.6.4.1 Cultural Control -- 6.6.4.2 Biological Control -- 6.7 Aspergillus Crown Rot or Collar Rot -- 6.7.1 Causative Pathogenic Fungi -- 6.7.2 Colony

Morphology -- 6.7.3 Symptoms Related to Disease -- 6.7.4 Disease Management -- 6.7.4.1 Host Resistance -- 6.7.4.2 Cultural Control -- 6.7.4.3 Biological Control -- 6.7.4.4 Chemical Control -- 6.8 Charcoal Rot -- 6.8.1 Causative Pathogenic Fungus -- 6.8.2 Colony Morphology -- 6.8.3 Symptoms Related to Disease -- 6.8.4 Disease Management -- 6.8.4.1 Host Plant Resistance -- 6.8.4.2 Cultural Control -- 6.8.4.3 Biological Control -- 6.8.4.4 Chemical Control -- 6.8.4.5 Effects of Plant Extracts -- 6.9 Sclerotinia Blight -- 6.9.1 Causative Pathogenic Fungi -- 6.9.2 Colony Morphology -- 6.9.3 Symptoms Related to Disease -- 6.9.4 Disease Management -- 6.9.4.1 Host Plant Resistance -- 6.9.4.2 Molecular Breeding and Transgenic Peanuts for Sclerotinia Blight Resistance -- 6.9.4.3 Cultural Control -- 6.9.4.4 Biological Control -- 6.9.4.5 Chemical Control -- 6.10 Cylindrocladium Black Rot -- 6.10.1 Causative Pathogenic Fungi -- 6.10.2 Colony Morphology -- 6.10.3 Symptoms Related to Disease -- 6.10.4 Disease Management -- 6.10.4.1 Host Plant Resistance -- 6.10.4.2 Cultural Control -- 6.10.4.3 Chemical Control -- 6.11 Peg and Pod Rots. 6.11.1 Causative Pathogenic Fungi.
