

1. Record Nr.	UNINA9910139092803321
Titolo	Phloem [[electronic resource]] : molecular cell biology, systemic communication, biotic interactions / / edited by Gary A. Thompson, Aart J.E. van Bel
Pubbl/distr/stampa	Ames, Iowa, : Wiley-Blackwell, 2013
ISBN	1-283-55060-1 9786613863058 1-118-38282-X 1-118-38280-3 1-118-38284-6
Descrizione fisica	1 online resource (394 p.)
Altri autori (Persone)	ThompsonGary A <1955-> (Gary Allen) BelAart Jan Eeuwe van <1943->
Disciplina	575.4/52
Soggetti	Phloem Sieve elements Plant molecular biology Plant cell interaction Plant-pathogen relationships Growth (Plants) Plants - Development
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	A. Introduction -- Phloem, the integrative avenue / Aart J.E. van Bel and Gary A. Thompson -- Cell biology of sieve element-companion cell complexes / Rosemary G. White -- Fundamentals of phloem transport physiology / John W. Patrick -- B. Functional aspects of structural SE components -- Roles of plasma membrane transporters in phloem functions / Mechthild Tegeder, Yong-Ling Ruan, and John W. Patrick -- Regulation of sucrose carrier activities / Christina Kuhn -- Cellular basis of electrical potential waves along the phloem and impact of coincident Ca <sup>2+</sup> fluxes / Jens B. Hafke and Aart J.E. van Bel -- Sieve element occlusion / Michael Knoblauch and Daniel Mullendore -- C.

Long-distance signaling -- Sieve elements : Puzzling activities deciphered through proteomics studies / Sylvie Dinant and William J. Lucas -- Endogenous RNA constituents of the phloem and their possible roles in long-distance signaling / Julia Kehr and Anja Buhtz -- The effect of long-distance signaling on development / David J. Hannapel -- Plant defense and long-distance signaling in the phloem / Frank Gaupels and A. Corina Vlot -- D. Biotic interactions with the phloem -- Role of phloem metabolites in plant defense / Jillian M. Hagel, Akpewwe Onoyovwi, Edward C. Yeung, and Peter J. Facchini -- Viroids and phloem-limited viruses : Unique molecular probes of phloem biology / Lucy R. Stewart, Biao Ding, and Bryce W. Falk -- Spiroplasmas and phytoplasmas : the phytopathogenic mollicutes of the phloem / Allyson M. MacLean and Saskia A. Hogenhout -- Breaching the sieve element : the role of saliva as the molecular interface between aphids and the phloem / Torsten Will, James C. Carolan, and Thomas L. Wilkinson -- Behavioral and molecular-genetic basis of resistance against phloem feeding insects / Linda Walling and Gary A. Thompson.

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#### Sommario/riassunto

Phloem: Molecular Cell Biology, Systemic Communication, Biotic Interactions is a timely collection of research on the cellular and molecular biology of this plant vascular tissue. Recent advances in phloem research have revealed the centrality of this plant tissue to whole plant development and physiology. Building on advances made through developments of new analytical technologies, this book will provide readers with a current and comprehensive reference on the role of phloem in plant growth and development. Collecting the work of a global team of leading researchers, Phloem wi

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2. Record Nr.	UNINA9911009334903321
Autore	Choudhury Tanupriya
Titolo	Machine Learning for Disease Detection, Prediction, and Diagnosis : Challenges and Opportunities / / edited by Tanupriya Choudhury, Avita Katal
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9642-41-8
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (480 pages)
Collana	Medicine Series
Altri autori (Persone)	KatalAvita
Disciplina	610.285631
Soggetti	Medicine, Preventive Health promotion Diseases Diseases - Animal models Machine learning Health Promotion and Disease Prevention Disease Models Machine Learning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 Introduction to machine learning and Image Processing for disease detection -- Chapter 2 Comparative Study of Various Deep Learning Methods for Prediction of Disease -- Chapter 3 Introduction to deep learning for disease prediction -- Chapter 4 A survey of image classification techniques for the prediction of diseases -- Chapter 5 Prediction of disease related to heart by using different techniques: A survey -- Chapter 6 Automated Plant Disease Diagnosis with Machine Learning -- Chapter 7 Exploring Disease Prediction Techniques through Data Mining: A Comprehensive Overview -- Chapter 8 Detection of Parkinson's disease using different machine learning techniques: A comparative analysis -- Chapter 9 Kidney Disease Prediction by Machine Learning Techniques -- Chapter 11 Prediction of Diabetes by using the different machine learning algorithms -- Chapter 12 Investigation of Machine Learning Algorithms in detecting Chronic Kidney Disorder -- Chapter 13 Skin Disease Prediction using machine

learning techniques -- Chapter 14 A Comparative Study of Different Machine Learning Techniques for Skin Disease Detection -- Chapter 15 Leveraging MLP-Mixer for Improved Melanoma Diagnosis Using Skin Lesion Images -- Chapter 16 Application of AI to detect Brain Tumors -- Chapter 17 Revolutionizing Brain Tumor Detection: Unleashing the Power of Artificial Intelligence -- Chapter 18 Disease detection and diagnosis using artificial intelligence techniques for sustainable economic growth -- Chapter 19 Developing a COVID-19 Prediction Kit Using Machine Learning -- Chapter 20 Plant Disease Detection: Comprehensive Review of Methods and Techniques.

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#### Sommario/riassunto

The book "Machine Learning for Disease Detection, Prediction, and Diagnosis" can be a comprehensive guide to the novel concepts, techniques, and frameworks essential for improving the viability of existing machine-learning practices. It provides an in-depth analysis of how these new technologies are helpful to detect, predict and diagnose diseases more accurately. The book covers various topics such as image classification algorithms, supervised learning methods like support vector machines (SVM), deep neural networks (DNNs), convolutional neural networks (CNNs), etc. unsupervised approaches such as clustering algorithms as well as reinforcement learning strategies. This book is an invaluable resource for anyone interested in machine-learning applications related to disease detection or diagnosis. It explains different concepts and provides practical examples of how they can be implemented using real-world data sets from medical imaging datasets or public health records databases, among others. Furthermore, it offers insights into recent advances made by researchers which have enabled automated decision-making systems based on AI models with improved accuracy over traditional methods. This text also discusses ways through which current models could improve further by incorporating domain knowledge during the model training phase, thereby increasing their efficacy even further.

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3. Record Nr.	UNINA9910970821903321
Autore	Burgess Michael <1949->
Titolo	Federalism and European union : the building of Europe, 1950-2000 // Michael Burgess
Pubbl/distr/stampa	London, : Routledge, 2000
ISBN	1-134-73678-9 1-134-73679-7 0-203-46532-6 1-280-31782-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (309 p.)
Disciplina	341.242/2/09 341.242209
Soggetti	Federal government - European Union countries European federation - History - 20th century Nation-state
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	1. Federalism, the state and the European idea -- 2. Federalism and federation in Western Europe: the theoretical discourse -- 3. Federalism and the building of Europe, 1950-72 -- 4. Federalism and the struggle for European Union, 1973-84 -- 5. Federalism, European Union and the Single European Act, 1985-88 -- 6. Maastricht: the last treaty of the Cold War, 1989-93 -- 7. From Maastricht to Amsterdam, 1994-98 -- 8. The European Union as an intellectual puzzle: federal and confederal elements in European integration -- 9. Federalism and European Union: fin de siecle.
Sommario/riassunto	A revisionist interpretation of the post-war evolution of European integration and the European Union (EU), this book reappraises and reassesses conventional explanations of European integration. It adopts a federalist approach which supplements state-based arguments with federal political ideas, influences and strategies. By exploring the philosophical and historical origins of federal ideas and tracing their influence throughout the whole of the EU's evolution, the book makes a significant contribution to the scholarly debate about the

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nature and development of the EU. The book looks at