

1. Record Nr.	UNISA996203742803316
Autore	Ozelton E. C
Titolo	Timber designers' manual [[electronic resource] /] / E.C. Ozelton & J.A. Baird
Pubbl/distr/stampa	Oxford, : Blackwell, 2006
ISBN	1-281-31880-9 9786611318802 0-470-69102-6 0-470-69000-3
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (558 p.)
Altri autori (Persone)	BairdJ. A (Jack A.)
Disciplina	624.1840941
Soggetti	Timber - Great Britain Building, Wooden - Great Britain Structural design - Great Britain
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	This ed. originally published: 2002. Includes index.
Nota di contenuto	TIMBER DESIGNERS' MANUAL; Contents; Preface; Acknowledgements; About the Authors; 1. The Materials Used in Timber Engineering; 1.1 Introduction; 1.2 Timber; 1.3 Plywood; 1.4 Particleboard, oriented strand board, cement-bonded particleboard and wood fibreboards; 1.5 Engineered wood products; 1.6 Mechanical fasteners; 1.7 Adhesives used in timber engineering; 2. Stress Levels for Solid Timber; 2.1 Introduction; 2.2 Derivation of basic stress and characteristic strength values; 2.3 Modulus of elasticity and shear modulus; 2.4 Grade stress; 2.5 Load sharing; 2.6 Moisture content; 3. Loading 3.1 Types of loading3.2 Load duration; 3.3 Concentrated loadings; 3.4 Dead loading; 3.5 Imposed loadings for floors; 3.6 Imposed loadings for roofs; 3.7 Snow loading; 3.8 Roof loadings on small buildings; 3.9 Wind loading; 3.10 Unbalanced loading; 3.11 Combinations of loading; 3.12 Special loadings; 4. The Design of Beams: General Notes; 4.1 Related chapters; 4.2 Design considerations; 4.3 Effective design span; 4.4 Load-sharing systems; 4.5 Load-duration factor; 4.6 Lateral stability; 4.7 Moisture content; 4.8 Bending stresses; 4.9 Depth and

form factors; 4.10 Bearing; 4.11 Shear
4.12 The effect of notches and holes
4.13 Shear in beams supported by fastenings and in eccentric joints; 4.14 Glue-line stresses; 4.15 Deflection; 4.16 Bending and shear deflection coefficients; 5. Beams of Solid Timber; 5.1 Introduction; 5.2 General design; 5.3 Principal beams of solid timber; 5.4 Load-sharing systems of solid timber; 5.5 Geometrical properties of solid timber sections in service classes 1 and 2; 5.6 Principal members bending about both the x-x and y-y axes; 6. Multiple Section Beams; 6.1 Introduction; 6.2 Modification factors; 6.3 Connection of members; 6.4 Standard tables
6.5 Design example
7. Glulam Beams; 7.1 Introduction; 7.2 Timber stress grades for glulam; 7.3 Strength values for horizontally or vertically laminated beams; 7.4 Appearance grades for glulam members; 7.5 Joints in laminations; 7.6 Choice of glue for glulam; 7.7 Preservative treatment; 7.8 Standard sizes; 7.9 Tables of properties and capacities of standard size in C24 grade; 7.10 Typical designs; 7.11 The calculation of deflection and bending stress of glulam beams with tapered profiles; 8. Thin Web Beams; 8.1 Introduction; 8.2 Primary design considerations; 8.3 Design examples
8.4 Web splices
8.5 Web stiffeners; 8.6 Holes or slots in ply web beams; 8.7 Proprietary sections; 9. Lateral Stability of Beams; 9.1 Introduction; 9.2 Buckling of rectangular solid and glulam sections; 9.3 Design examples; 9.4 Partially restrained thin web I beams; 10. Structural Composite Lumber; 10.1 Introduction; 10.2 Kerto-LVL (Laminated Veneer Lumber); 10.3 Versa-Lam SP LVL (Laminated Veneer Lumber); 10.4 Parallam PSL (Parallel Strand Lumber); 10.5 TimberStrand (Laminated Strand Lumber); 11. Solid Timber Decking; 11.1 Introduction; 11.2 Span and end joint arrangements
11.3 Nailing of decking

Sommario/riassunto

This major reference manual covers both overall and detail design of structural timber, including aspects such as shear deflection, creep, dynamic and lateral stability considerations for flexural members. Available for the first time in paperback, the Third Edition was substantially revised to take account of the many changes since the previous edition was published in 1984. It is based on British Standard BS 5268-2: 2002, which brought design concepts closer to European practice and Eurocode 5. Features of the Third Edition include:
* information on bolt values including

2. Record Nr.	UNINA9910437935203321
Titolo	EcoProduction and logistics : emerging trends and business practices / / Paulina Golinska, editor
Pubbl/distr/stampa	Berlin ; ; Heidelberg, : Springer, c2013
ISBN	1-283-61185-6 9786613924308 3-642-23553-0
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (324 p.)
Collana	EcoProduction, , 2193-4614
Altri autori (Persone)	GolinskaPaulina
Disciplina	658.4083
Soggetti	Production management - Environmental aspects Industrial management - Environmental aspects Environmental engineering
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	Sustainability and Life Cycle Management -- Environmental Friendly Resource Management in Production -- Information Systems and Information Management Supporting Sustainability.
Sommario/riassunto	Environmental awareness is driven mainly by the scarcity of natural resources and by more strict legal regulations. The modern enterprise policy should look at the relations between economic actions and ecological consequences. Ecoproduction is a new business approach which focuses on the most efficient and productive use of raw materials and natural resources in order to minimize footprints on the natural environment. This book aims to provide the state- of- the- art as well as new ideas of the environmental conscious operations management. The contributors present in the individual chapters problems related to: eco-friendly production technologies; recycling and waste reduction. Scope of topics discussed in this book covers also pollution prevention, energy efficiency. The authors describe problems of information management in complex systems.

3. Record Nr.	UNINA9910349265803321
Titolo	Biomarkers in Bone Disease // edited by Victor R. Preedy
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2020
ISBN	94-007-7745-0
Descrizione fisica	1 online resource (800 p. 50 illus.)
Collana	Biomarkers in Disease: Methods, Discoveries and Applications, , 2542-3657
Disciplina	614.5999
Soggetti	Cancer - Research Oncology Pharmacology Cancer Research Pharmacology/Toxicology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Serum uric acid and biomarkers of lumbar spine bone mineral density -- Use of alkaline phosphatase (ALP) activity and disease severity to determine secular changes in bone disease as applied to Paget's disease of the bone -- Bone Turnover and Spinal Cord Injury -- Bone-related proteins as markers in vascular remodelling -- Serum Sclerostin as Biomarker in Osteogenesis Imperfecta -- Parathyroid Hormone (PTH) assays and applications to bone disease: Overview on methodology -- Registered microcomputed tomography data as a four dimensional imaging biomarker of bone formation and resorption -- Use of bone biomarkers after weight loss: Example of bariatric surgery -- Adiponectin as biomarker of osteoporosis -- Effect of statins on bone turnover markers -- Chitinases as biomarkers in bone studies -- Hormone relaxin as biomarker for bone health and disease -- Panoramic radiomorphometric indices of mandible: Biomarker for osteoporosis -- Hip Fracture Risk is Strongly Related to Circulating Levels of the Advanced Glycation End-product Carboxy-Methyl Lysine (CML) -- Effects of glucose on bone markers: Overview of current knowledge with focus on diabetes, glucose, and bone markers -- Traditional medicine and use of bone biomarkers -- Osteosarcoma

Biomarkers discovery using "omics" approaches -- Creatine kinase as biomarker in osteogenesis imperfecta -- Ameloblastin as biomarker of bone -- Biomarker genes in autosomal dominant osteopetrosis type II (ADO II) -- Bone markers in Rett syndrome -- Bone Specific Alkaline Phosphatase and Exercise -- Bone turnover markers and glucocorticoid treatments -- Overview of biochemical markers of bone metabolism -- Biomarkers of natural radionuclides in bone and teeth -- Bone markers throughout sexual development: epidemiological significance and population-based findings -- Parathyroid hormone (PTH) and the relationship between PTH and bone health: structure, physiology, actions, and ethnicity -- Quantitative ultrasound as a biomarker tool in newborn infants for bone -- Bone biomarkers in gestational hypertension -- Bone biomarkers in intrauterine growth restriction -- Raman spectroscopy as a biomarker-investigative tool in bone metabolism -- Pentosidine as a biomarker for poor bone quality and elevated fracture risk -- Spine bone texture and the trabecular bone score (TBS) -- Bone biomarkers in HIV -- Bone Biomarkers Related to Osteoarthritis -- Dietary Soy Phytoestrogens and Biomarkers of Osteoporosis -- Utilisation and reference values of osteocalcin and procollagen type 1 n-propeptide -- Analysis of integrin alpha2beta1 (a2b1) expression as a biomarker of skeletal metastasis -- Circulating Sclerostin in Bone Sclerosing Disorders -- Pentraxin 3 as a bone biomarker -- Sirtuins as markers of bone disease: a focus on osteoarthritis and osteoporosis -- Tartarate resistant acid phosphatase as a biomarker of bone remodeling. .

Sommario/riassunto

In the past decade there has been a major sea change in the way disease is diagnosed and investigated due to the advent of high throughput technologies, such as microarrays, lab on a chip, proteomics, genomics, lipomics, metabolomics etc. These advances have enabled the discovery of new and novel markers of disease relating to autoimmune disorders, cancers, endocrine diseases, genetic disorders, sensory damage, intestinal diseases etc. In many instances these developments have gone hand in hand with the discovery of biomarkers elucidated via traditional or conventional methods, such as histopathology or clinical biochemistry. Together with microprocessor-based data analysis, advanced statistics and bioinformatics these markers have been used to identify individuals with active disease or pathology as well as those who are refractory or have distinguishing pathologies. New analytical methods that have been used to identify markers of disease and is suggested that there may be as many as 40 different platforms. Unfortunately techniques and methods have not been readily transferable to other disease states and sometimes diagnosis still relies on single analytes rather than a cohort of markers. There is thus a demand for a comprehensive and focused evidenced-based text and scientific literature that addresses these issues. Hence the formulation of Biomarkers in Disease. The series covers a wide number of areas including for example, nutrition, cancer, endocrinology, cardiology, addictions, immunology, birth defects, genetics, and so on. The chapters are written by national or international experts and specialists.
