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Titolo	The impact and prospects of green chemistry for textile technology [[electronic resource] /] / edited by Shahid Ul-Islam and B. S. Butola
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ISBN	0-08-102492-4 0-08-102491-6
Descrizione fisica	1 online resource (570 pages)
Collana	The Textile Institute Book Series
Disciplina	660
Soggetti	Green chemistry Textile industry - Technological innovations Dyes and dyeing Textiles Textile industry Green Chemistry Technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Green chemistry in the wet processing of textiles -- Sustainable colorants -- Metal mordants and biomordants -- Sustainable cyclodextrin in textile applications -- Recent advances in application of chitosan and its derivatives in functional finishing of textiles -- Enzymes for green chemical processing of cotton -- The sonochemical functionalization of textiles -- Nonthermal plasma: A promising green technology to improve environmental performance of textile industries -- Textile finishing with biomacromolecules: A low environmental impact approach in flame retardancy -- Antimicrobial textiles -- Insect-repellent textiles using green and sustainable approaches -- UV-protective textiles -- Significance of bioadsorption process on textile industry wastewater -- Application of chitosan derivatives as promising adsorbents for treatment of textile wastewater -- Recent advances in remediation of synthetic dyes from wastewaters using sustainable and low-cost adsorbents -- Treatment of industrial dyes

using chitosan-supported nanocomposite adsorbents.

Sommario/riassunto

The Impact and Prospects of Green Chemistry for Textile Technology provides a review and summary of the role of green chemistry in textiles, including the use of green agents and sustainable technologies in different textile applications. The book systematically covers the history and chemistry of eco-friendly colorants, chitin, chitosan, cyclodextrin, biomordants, antimicrobial, UV protective, flame retardant, insect repellent textiles, and advanced pre- and post-treatment technologies, such as the sonochemistry and plasma methods currently employed in functional modifications. The book also pays attention to the remediation of textile effluents using novel, sustainable and inexpensive adsorbents. Written by high profile contributors with many years of experience in textile technology, the book gives engineers and materials scientists in the textile industry the information they need to effectively deploy these green technologies and processes.

2. Record Nr.

Autore

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Titolo

Clinical Management of Bone and Soft Tissue Tumors / / edited by Victor Lee Kwan Min, Mark E Puhaindran, Choo Bok Ai, Angela Shien Ling Pang, James Thomas Patrick Decourcy Hallinan

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Descrizione fisica

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Disciplina

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Soggetti

Pathology
Cancer
Medical screening
Surgery
Radiology
Cancer Screening

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico**Monografia****Nota di contenuto**

Section I: Bone sarcomas -- Ewing sarcoma/PNET -- Osteosarcoma -- Chondrosarcoma -- Section II: Soft tissue sarcomas -- Gastrointestinal stromal tumor (GIST) -- Rhabdomyosarcoma -- Leiomyosarcoma-Uterine, to highlight the spectrum of endometrial sarcomas ranging from low grade ESS to high grade endometrial sarcomas to leiomyosarcoma -- Liposarcoma-retroperitoneal: well diff/dediff -- Undifferentiated pleomorphic sarcoma (UPS) -- Angiosarcoma-to highlight the various vascular sarcomas, including kaposi -- Alveolar soft part sarcoma -- Synovial sarcoma -- Malignant peripheral nerve sheath tumor (MPNST) -- Solitary fibrous tumor -- Dermatofibroma protuberans (DFSP) -- Radiation induced sarcoma -- Section III: Soft tissue tumors with low malignant potential but aggressive local behavior -- Inflammatory myofibroblastic tumor -- Aggressive fibromatosis -- Giant cell tumor of the bone -- Chordoma -- Sarcoma survivorship/AYA.

Sommario/riassunto

The book covers the common clinical scenarios encountered for the heterogeneous group of bone and soft tissue tumors. Each chapter follows a uniform format of an illustrative patient case summary representative of each type of sarcoma, followed by an evidence-based case discussion reviewing the current guidelines and basis for the diagnostic and therapeutic steps taken. The book includes histology inserts to highlight the classic features of various types of sarcoma, alongside with the accompanying auxiliary molecular tests to aid the diagnosis and their clinical implications. The book provides assistance to medical practitioners, trainees and students to better understand the various types of sarcomas from the importance of an accurate diagnosis to the management principles, as well as controversies in the treatment of these rare tumors. It will be relevant for pathologists and oncologists as well as all other clinicians (general, medical, surgery, radiology) that have a special interest in bone and soft tissue tumor.