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**Thermoradiotherapy and Thermochemotherapy** Elsevier

Hyperthermia has been found to be of great benefit in combination with radiation therapy or chemotherapy in the management of patients with difficult and complicated tumor problems. It has been demonstrated to increase the efficacy, of ionising radiation when used locally but also has been of help in combination with systemic chemotherapy where hyperthermia is carried out to the total body. Problems remain with regard to maximizing the effects of hyperthermia as influenced by blood flow, heat loss, etc. The present volume defines the current knowledge relative to hyperthermia with radiation therapy and/or chemotherapy, giving a comprehensive overview of its use in cancer management. Philadelphia/Hamburg, June 1995 L.W. BRADY H.-P. HEILMANN Preface In an attempt to overcome tumor resistance, hypoxia, or unfavorable tumor conditions, oncological research has come to focus on gene therapy, immunotherapy, new cytotoxic agents, and increasingly sophisticated radiotherapy. Radiation research has been directed towards heavy particle therapy and modification of the radiation response by either protecting or sensitizing agents. Improved dose localization using rotational or conformal strategies has also been implemented. Recently, changes in radiation fractionation schedules have shown promise of better results. Hyperthermia in cancer therapy can be viewed similarly as another means to increase the sensitivity of tumors to radio- and chemotherapy.

*Federal Register* CRC Press

The ability of a fabric to resist wear is an essential aspect of its performance. Understanding and improving the durability of textiles provides a comprehensive guide to the factors affecting the durability of a range of different textiles. Part one addresses the different factors that affect textile durability, including the influence of fabric construction and fibre type, as well as properties affecting strength and dimensional stability. Colour fastness and the effects of light are discussed, along with methods for testing and improving wrinkle-resistance and textile durability. Part two goes on to

explore the durability of particular types of textile including antimicrobial textiles, protective clothing, historic textiles, silk and geotextiles. With its distinguished editor and international team of expert contributors, Understanding and improving the durability of textiles is an indispensable book for textile scientists, technologists, engineers and those designing, testing and manufacturing textiles. It also provides a comprehensive guide to textile durability for researchers and academics of all levels in this sector. Provides a comprehensive guide to the factors affecting the durability of a range of different textiles Discusses colour fastness and the effects of light, and methods for testing and improving wrinkle-resistance and textile durability Explores the durability of particular types of textile

**Products and Services Catalogue**

This standard specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to immersion in water.

**Fibres to Smart Textiles**

Life cycle assessment (LCA) is used to evaluate the environmental impacts of textile products, from raw material extraction, through fibre processing, textile manufacture, distribution and use, to disposal or recycling. LCA is an important tool for the research and development process, product and process design, and labelling of textiles and clothing. Handbook of Life Cycle Assessment (LCA) of Textiles and Clothing systematically covers the LCA process with comprehensive examples and case studies. Part one of the book covers key indicators and processes in LCA, from carbon and ecological footprints to disposal, re-use and recycling. Part two then discusses a broad range of LCA applications in the textiles and clothing industry. Covers the LCA process and its key indicators, including carbon and ecological footprints, disposal, re-use and recycling Examines the key developments of LCA in the textile and clothing industries Provides a wide range of case studies and examples of LCA applications in the textile and clothing industries

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