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Notice "Protein facts: fibrous proteins in cultural and natural history artifacts"

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Langue du texte

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Mots clés anglais-sujet

- Protein
- Fibre
- Interdisciplinarity
- Animal
- Skin
- Vertebrate
- Deterioration
- Water
- Collagen
- Leather
- Tanning
- Alum
- Chemical deterioration
- Biodeterioration
- Air pollution
- Salt
- Natural history specimen
- Cellular
- Silk
- Amino acid

- Bone
- Animal bone
- Ivory

Mots clés français-sujet

- Protéine
- Fibre
- Interdisciplinarité
- Animal
- Peau
- Vertébré
- Altération
- Dégradation
- Eau
- Collagène
- Cuir
- Tannage
- Alun
- Altération chimique
- Biodétérioration
- Pollution atmosphérique
- Sel
- Spécimen d'histoire naturelle
- Cellulaire
- Soie
- Aminoacide
- Os
- Os animal
- Ivoire

Materiau-sujet

Keratin;Elastin;Dentin;Polypeptide;Colloid;Fibroin;Myosin

Résumé

This book is designed to help collections managers, conservators, curators and students of materials and material culture to understand the properties of fibrous proteins. The author illustrates the wide range of historic, ethnographic and natural history objects made of fibrous protein material found in collections. Understanding the chemical and physical structure of the fibrous proteins in a variety of materials (skin, leather, gut, muscle, teeth, bone, ivory, silk, fur, feathers, hair, horn, claws, nails etc) is most important when considering optimum methods for their care, conservation treatment and preservation. Features of the structures of protein fibres used to identify each material are discussed. The agents and symptoms of deterioration of fibrous proteins are covered, particularly those proteins (e.g. collagen, keratin, fibroin and myosin) found commonly in collections of cultural objects.

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