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Biomimetics — Biomimetic materials, structures and components

Biomimétisme — Matériaux, structures et composants biomimétiques



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Foreword

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The committee responsible for this document is ISO/TC 266, *Biomimetics*.

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Introduction

The increasing complexity of technical solutions and products requires new approaches. Classic research and development methods and innovation approaches often reach their limits, especially in the development and optimization of materials, structures, and components. The identification of suitable biological principles and their transfer to technical applications in the sense of biomimetics, therefore, can make an important contribution to the development of functional, adaptive, efficient (in terms of resources), and safe (in terms of toxicity to humans and the environment) materials, structures, components and manufacturing techniques.