Cork: Biology, Production and Uses

Description: This comprehensive book describes cork as a natural product, as an industrial raw-materials, and as a wine bottle closure. From its formation in the outer bark of the cork oak tree to the properties that are of relevance to its use, cork is presented and explained including its physical and mechanical properties.

The industrial processing of cork from post-harvest procedures to the production of cork agglomerates and composites is described.

Intended as a reference book, this is the ideal compilation of scientific knowledge on state-of-the-art cork production and use.

Key Features:
- Presents comprehensive coverage from cork formation to post-harvest procedures
- Explains the physical properties, mechanical properties and quality of cork
- Addresses topics of interest for those in food science, agriculture and forestry

Contents:
- Introduction
- Part I: Cork Biology
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  - Ch. 2: The Structure of Cork
  - Ch. 3: The Chemical Composition of Cork
- Part II: Cork Production
  - Ch. 4: The Cork Oak
  - Ch. 5: The Extraction of Cork
  - Ch. 6: The Management of Cork Production
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- Part III: Cork Properties
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  - Ch.10: Mechanical Properties
- Part IV: Cork Processing and Products
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- Part V: Wine and Corks
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- References

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