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Whole organisms such as mushrooms can be used as well as organisms used as insecticides and herbicides.

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The book highlights the unique aspects of filamentous fungi along with those aspects common to most microorganisms studied in industries that use biotechnology.

Filamentous fungi can generate a wide range of industrial products including primary metabolites such as organic acids,

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Filamentous fungi grown under controlled
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chitin and chitosan where a high-quality product is required (e.g. for cosmetic, medical and pharmaceutical applications).

... Biotechnology of Filamentous Fungi: Technology and Products. Butterworth-Heinemann, Boston. Hamlyn, P.F. & Schmidt, R.J. (1994).

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Aspergillus oryzae, also known as *kōji* mold (Japanese: ニホンコウジカビ (日本麹黴), Hepburn: nihon kōji kabi), is a filamentous fungus (a mold) used in Japan to saccharify rice, sweet potato, and barley in the making of alcoholic beverages such as sake and shōchū, and

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also to ferment soybeans for making soy sauce and miso. However, in the production of fermented foods of ...

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Protein secretion pathway in filamentous fungi. The second step is protein folding and modification in ER, which requires

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the assistance of a series of molecular chaperones and folding enzymes, including calnexin (ClxA), BiP, and protein disulfide isomerase (PDI) (Saloheimo and Pakula, 2012).

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comprehensive introduction to fungal
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Abstract. Cultivation processes involving filamentous fungi have been optimised for decades to obtain high product yields.

Several bulk chemicals like citric acid and

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penicillin are produced this way. A simple adaptation of cultivation parameters for new production processes is not possible though.

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European companies such as AB

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