

Bacterial Pigments And Their Applications

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~~Bacterial pigments and their applications - ScienceDirect~~

~~(PDF) Bacterial pigments and their applications | Venil CK - Academia.edu Natural pigments sourced from ores, insects, plants and animals were the colorants used since prehistoric period. Synthetic dyes which took the place of natural pigments in the middle of 19th century still rule the field to the maximum extent in~~

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~~Objective: Bacterial pigments have promising applications in food, cosmetics, textile, and therapeutics. Pigments from microbial origin are stable, safer, cost effective, easy production, and ...~~

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~~Wide spectrum applications of Bacterial and Fungal pigments Bacterial pigments with fluorescence are used in laboratories to label antibodies and also indicate the progress of specific reactions. A key example of this is phycoerythrin, an accessory pigment to chlorophyll in photosynthetic bacteria.~~

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~~Most studies investigated that bacteria have shown the efficacy and the potential in clinical applications and their pigment has been used in treating several diseases and they also have certain properties like anti-biotic, anticancer, and immunosuppressive compounds.~~

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~~Industrial Applications of Bacterial Pigments – microbewiki~~

Bacterial and fungal pigments have extensive applications (Table 1) and have an enormous advantage over plant pigments, including easy and rapid growth in low cost medium, easy processing, and growth that is independent of weather conditions (Manikprabhu and Lingappa, 2013).

~~Frontiers | Fungal and Bacterial Pigments: Secondary ...~~

Bacterial pigments and their applications S.No. Bacteria Pigment Application 1 Micromonospora lupine Anthraquinone Antitumor agent 2 Streptomyces sp. Carotenoid Food-grade pigment 3 Chromobacterium Violacein Anti-tumor, anti-microbial, and anti- parasitic agent 4 Chromobacterium sp. NIIST (MTCC 5522) Violacein Antifungal agent 5 Hymenobacter sp. and Chryseobacterium sp. Carotenoid Photo ...

~~Wide-spectrum applications of Bacterial and Fungal pigments~~

Bacterial pigments are also one of the emerging fields of research since it offers promising opportunities for different applications. Besides its use as safe coloring agents in the cosmetic and food industry, bacterial pigments also possess biological properties such as antimicrobial, antiviral, antioxidant and anticancer activities.

~~Bacterial Pigments: The Bioactivities and as an ...~~

These microbial pigments have broad area of application, mainly in food industries, pharmaceutical industries and textile industries. Food grade pigments such as β -carotene, Arpink Red, Riboflavin lycopene and Monascus pigments are used in food industry.

~~microbial pigments: production and their applications in ...~~

Bacterial pigments have various applications in current scenario. Pigmented bacteria otherwise called as chromo bacteria, mostly aerobic produce the pigments. Our present study is aimed at isolating...

~~(PDF) Production and Extraction of Bacterial Pigments from ...~~

Pigments produced by bacteria are of traditional use in oriental countries and have been a subject of intense research in the present decades because of its potential for applications. Bacterial pigments offer the following benefits and advantages as follows: a. Increasingly attractive to science because of broad ranging activities.

~~Bacterial pigments and its significance~~

Since, the microorganisms are a significant source of carotenoids and major source of naturally occurring pigments. These carotenoids basically protect cells against photo oxidative damage and hence have vital applications in environment, food and nutrition, disease control, and as potent antimicrobial agents.

~~MICROBIAL PIGMENTS AS A NATURAL COLOR: A REVIEW ...~~

Compared to synthetic pigments, microbial pigments shows better biodegradability and higher compatibility with the environment, and have numerous applications from food to cosmetics.

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