

Micromonospora shyamaprasadii

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Micromonospora shyamaprasadii Latest News

Scientists at Raiganj University recently discovered a new bacterial species and named it *Micromonospora shyamaprasadii*.

About *Micromonospora shyamaprasadii*

- It is a **new species of bacteria**.
- It was discovered from **West Bengal**.
- It was **isolated from the mulberry rhizosphere** — the **active soil zone around mulberry roots**.
- It was named in **honour of Syama Prasad Mookerjee** on his 125th birth anniversary.
- The bacterium appears to **produce compounds** that **prevent the growth of harmful bacteria**, indicating its **antibiotic potential**.

Key Facts about *Micromonospora*

- It refers to a **genus of bacteria** of the family Micromonosporaceae.

- They are **gram-positive, spore-forming**, and **generally aerobic**.
- They are widely distributed in various environments, including **coastal and marine sediments, peat swamp forests**, and **plant rhizospheres**, where they often **form intimate associations with plant roots**, including those of rice, wheat, and various legumes.
- These bacteria also **exist in complex microbial communities in soil and the rhizosphere**.
- They are best **known for producing bioactive compounds**, including **antibiotics** and **industrially important enzymes**.

News: TOI

Source: <https://vajiramandravi.com/current-affairs/micromonospora-shyamaprasadii/>

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