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IIT-Guwahati's 'SeriPort' will give easy entrance to silk-related digital sources



By admin

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Kolkata: Aimed during easing entrance to silk-related web resources, a portal on sericulture designed by Indian researchers comes with a built-in hunt engine to capacitate discerning and accurate information mining and also seeks to strengthen inland believe on a subject.



YouTube screengrab of lady scheming silk cloth.

Developed by researchers during Bioengineering Research Laboratory, Indian Institute of Technology-Guwahati, a portal is called 'SeriPort'. It is projected as a "database of databases" that pools in information from databases associated to seribiodiversity such as those on silkworms, horde plants, pests, pathogens and a like.

Launched in May, it germinated from a systematic examination of a existent databases on sericulture.

"Currently, about 70 databases have been appended to a portal," says Utpal Bora, a analogous author of a examination published recently in *Database: The Journal of Biological Databases and Curation*.

It has 22 silkworm databases, 23 horde plant databases, one harassment and micro-organism database and 24 total databases.

"It would be strengthened to offer as a information assembly height for analytics and decision-making in future," Bora, who leads a Unit of Excellence for Seribiosciences (a plan saved by India's Department of Biotechnology), told *IANS*.

The database has available over 3,800 hits so distant and culls information from countries opposite a creation including tip silk-producer China and personality in sericulture research, Japan.

But what triggered a bid to emanate a height on sericulture?

“The need for a extensive database arose during a investigate on silk when we detected it was formidable to find out what work had already been done,” Deepika Singh, examination co-author and a investigate academician during a laboratory, told *IANS*.

Dynamism is achieved by adding rising information sets invariably to a existent ones. Enthusiasts can also share their possess databases.

Most importantly, it addresses a emanate of “search engine invisibility” of several critical seri-related databases, as in a website not display adult prominently on hunt engines.

“It does this by bringing all these databases on a common platform, leading a need for these databases’ websites to perform hunt engine optimisation (SEO). This enhances accessibility for users including those employed in sericulture,” pronounced investigate academician and co-author Hasnahana Chetia.

SEO is a routine of improving a prominence of a website on hunt engine outcome pages.

The group is quite confident with a portal’s application as a information scholarship apparatus (to clear a value of data) that is a “hot trend” among biologists.

The researchers also indicate out North East India’s special links with silk tillage and a stress of a bid with courtesy to a region.

India is a second-largest writer of tender silk after China and a biggest consumer of tender silk and silk fabrics. North East India is quite abounding in these bioresources and binds a singular place in a universe as it produces all a commercially exploited mulberry and non-mulberry silk varieties, a researchers said.

“Therefore, sericulture practices like silkworm rearing, silk weaving, etc., have turn essential among a common normal crafts of North East India. We will also supplement information on patents generated on a theme as good as on inland sericulture practices. It would assistance strengthen normal knowledge,” combined Chetia.

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