

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

LOK SABHA
UNSTARRED QUESTION NO.4025
TO BE ANSWERED ON 23/12/2015

WEB GEOMETRY

4025. SHRI M.K. RAGHAVAN:

Will the Minister of SCIENCE AND
TECHNOLOGY be pleased to state:

विज्ञान और प्रौद्योगिकी मंत्री

- (a) Whether the Government has initiated/proposes to initiate any study on web geometry;
- (b) if so, the details thereof and the progress made in this regard including the bio-engineering gene splicing techniques to produce it; and
- (c) if not, the measures undertaken to study on the use of spider's web scientifically?

ANSWER

MINISTER OF STATE FOR SCIENCE & TECHNOLOGY AND EARTH SCIENCES
(Y.S. CHOWDARY)

विज्ञान और प्रौद्योगिकी तथा पृथ्वी विज्ञान राज्य मंत्री
(वाई. एस. चौधरी)

- (a) No Madam. The Department of Biotechnology has not initiated/proposed any study on Web Geometry.
- (b) Not Applicable
- (c) Spider silk is one of the fascinating biomaterials widely known for its exceptional strength and strain while spider webs are characterized by a highly organized geometry that renders its function. Worldwide study is being undertaken on how the mechanical characteristics of spider silk contribute to the integrity and performance of a spider web. Though the Department has not initiated/received any proposal in line of spider silk/web geometry of spider, however Department may prospectively consider the proposals if received from interested researchers of the country.
