

REPORT ON GUEST LECTURE ON SERICULTURE ORGANIZED BY DEPARTMENT OF LIFE SCIENCES ON 5 NOVEMBER 2020

A lecture on sericulture was organized by the Department of Life sciences on 5/11/2020 at 3 pm as a part of practical in sericulture (MZOO 443) for second year MSc Zoology students. The event was coordinated by Dr. Krishna Kumar V K. The speaker was Dr. S M Moorthy, Scientist from Central Sericultural Research and Training Institute (CSRTI) Mysore. The talk was conducted on WebEx platform. He shared his expertise on silkworm breeding, the history of sericulture, origin of silk industry in India, silk route, harvesting and rearing of silk. Dr Moorthy also discussed about the types of silkworm, voltinism, common diseases affecting silkworms and hereditary traits in silkworm. 22 students from second year MSc Zoology were benefited from the talk.



**DEPARTMENT OF LIFE SCIENCES
ORGANISES**

A guest lecture on 'Sericulture'



**CHIEF GUEST: Dr S Mandira Moorthy,
Silkworm Breeding & Molecular Biology Lab., Central Sericulture Training &
Research Institute, Mysore**

DATE & TIME: 5th November 2020 - 3-4PM

ONLINE PLATFORM: CISCO WEBEX

Sericulture talk-20201105 0922-1

Christ University [Compatibility Mode] - Microsoft PowerPoint

Home Insert Design Animations Slide Show Review View

Clipboard Slides Font Paragraph Drawing

Slide 1: Silkworm - An important laboratory animal for genetical and applied research

S.Manthira Moorthy
Silkworm Breeding & Molecular Biology Laboratory
Central Sericulture Research and Training Institute
Central Silk Board, Mysore

Slide 2: What is silk? Silk is a natural fiber... [Text describing silk production]

Slide 3: Silk [Text describing silk properties]

Click to add notes

KRISHNAKUMAR V L

Sericulture talk-20201105 0922-1

Silkworm - An important laboratory animal for genetical and applied research

S.Manthira Moorthy
Silkworm Breeding & Molecular Biology Laboratory
Central Sericulture Research and Training Institute
Central Silk Board, Mysore

Dr S.M Moorthy, CSR

+21

Types of silkworm



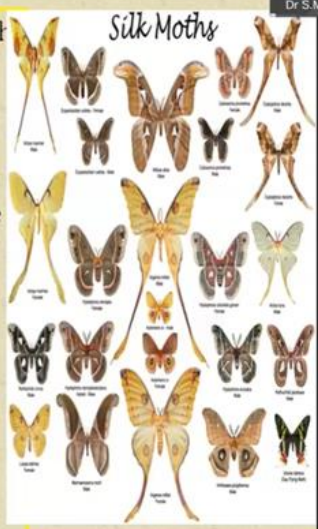
- Mulberry
- Tasar
- Eri
- Muga

Dr. S.M. Moorthy, CSR

+25

Why silkworm

- ✘ Numerous advantages in life science, such as low breeding cost, large progeny size, short generation time, and clear genetic background.
- ✘ Rich genetic resources
- ✘ Genomic sequencing accelerated it to be a modern model organism in life science.
- ✘ Studies showed that some silkworm genes are highly homologous to certain genes related to human hereditary disease
- ✘ Therefore, are a candidate model for studying human disease.



Dr. S.M. Moorthy, CSR

+25