



Aesthetic Entomon's

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Insect resources are vast and diverse due to their enormous diversity. The exploitation and utilization of insect resources is broadly classified into different categories. Industrial use is one of the main categories. This level includes the utilization of silk worm, honeybee, lac insect, dye insect, and aesthetic insect. Insects are also being used in scientific aspects due to its characteristic features.

Insects of Aesthetic value

1. Aesthetic value Generally, butterflies are known to be the most beautiful insects in the world. Artists, designers, poets and songwriters have been using butterflies as subjects and inspirations in their work.
2. In some cultures, butterflies are often portrayed as symbols of souls, freedom, love and peace Maharashtra has become the first state in country to have a 'state butterfly'.
3. Recently on 5th June 2022, The Chief Minister of Sikkim, Prem Singh Tamang (Golay), declared Blue Duke, Bassaronadurga, the "State Butterfly of Sikkim" during the celebration of World Environment Day-2022.
4. India's First Butterfly Park – Butterfly Park, Bangalore
5. India's Second Butterfly Park – Butterfly Park, Shimla
6. India's First Open-air Butterfly Park in Sikkim

State butterflies of India

State	Date of Declaration	Butterfly name
Maharashtra	22 nd June, 2015	Blue Mormon
Karnataka	17 th May, 2017	The Southern Bird Wing
Uttarakhand	2 nd August, 2018	Common Peacock
Kerala	8 th March, 2019	Malabar Banded Peacock or the Buddha Mayoore
Tamil Nadu	26 th June, 2019	Tamil Yeoman
Arunachal Pradesh	13 th November, 2021	Kaiser-i-Hind
Goa	16 th December, 2021	Malabar Tree Nymph, <i>Idea malabarica</i>
Sikkim	5 th June, 2022	Blue Duke, <i>Bassaronadurga</i>

Insects	Their Derivatives
Silk,	it's a fiber obtain from Silk worm. Silk fabrics are widely used in South Asia. Depending upon the nature of the silk the value increased. Silk fabric is famous for its lusture, shine, tenacity, firmness .
Jewel beetle	(Buprestidae: Coleoptera) - necklaces, bracelets and made of whole insects
Nymphs of scale insects -	made as stings
Genus Margarodes.	In some tropical countries the natives make necklaces of " ground pearls ," the wax cysts of female scale insects .
Butterflies -	symbol of beauty
Fire flies (Glow Worms),	take in oxygen and, inside special cells, combine it with a substance called luciferin to produce light with almost no heat.

Insects of Scientific value

Insects	Scientific Value
Fruit flies	<ul style="list-style-type: none"> • <i>Drosophila melanogaster</i> Useful in biological investigations such as cytology, and genetics for studying principles of inheritance. These flies have short life cycle, easy to culture and multiply - They have large chromosomes and easily recognizable heritable variations. <ul style="list-style-type: none"> • Used in bioassay of insecticide residues. • also used in Nutritional studies.
Mosquitoes Cockroaches	<ul style="list-style-type: none"> • Honey can be the all-natural cure when it comes to pesky colds. A persistent cough that won't go away can easily be remedied with two teaspoons of honey.
Honey Bee	<ul style="list-style-type: none"> • The golden liquid's thick consistency helps coat the throat while the sweet taste is believed to trigger nerve endings that protect the throat from incessant coughing. • Treats dandruff by applying honey diluted with 10 percent warm water to problem areas and leaving it on for three hours before rinsing led to itch relief and no scaling within a week. <ul style="list-style-type: none"> • Treats wounds and burns Honey is a natural antibiotic
Silk worm	<ul style="list-style-type: none"> • Silk as surgical suture Often obtain from <i>Bombyx mori</i> Medically, biodegradable silkworm fibers are highly valued for their bio compatibility (i.e., minimal immune response) when sewn with human tissues as sutures or stitches. <ul style="list-style-type: none"> • Various formulations of silk are also useful in surgical or bioengineering s such as growing new bones, nerves or blood vessels • The idea being to use silk "as SCAFFOLD material to prepare the tissue engineering for regenerating of tissues and nerve grafts for promoting peripheral nerve regeneration. • A bacterium that lives in the digestive system of silkworms contains a substance known as Serrapeptase. This substance appears to offer tremendous pain relief for people with things like back injuries and

<p>Maggot Therapy:</p> <p>Blow flies</p> <p>Blister Beetles</p>	<p style="text-align: center;">back pain.</p> <ul style="list-style-type: none"> • Silk as surgical suture Often obtain from <i>Bombyx mori</i> Medically, biodegradable silkworm fibers are highly valued for their bio compatibility (i.e., minimal immune response) when sewn with human tissues as sutures or stitches. • Various formulations of silk are also useful in surgical or bioengineering s such as growing new bones, nerves or blood vessels • The idea being to use silk “as SCAFFOLD material to prepare the tissue engineering for regenerating of tissues and nerve grafts for promoting peripheral nerve regeneration. • A bacterium that lives in the digestive system of silkworms contains a substance known as Serrapeptase. This substance appears to offer tremendous pain relief for people with things like back injuries and back pain. • These days maggots are being used again to help people who suffer from flesh-eating bacteria or who are not responding to standard antibiotic treatment. • (<i>Chrysomyamegacephala</i>) are often one of the first creatures to set up their homes in dead bodies. They often lay their eggs within just a few hours after they die. The life cycle of the average blow fly is so predictable and easy to follow that crime scene investigators can use them and their colonies to help determine a time of death. • Beetles secreted a substance known as Cantharidin which helped alleviate pain for people experience kidney stones, urinary tract infections and burns. • Now studies show that the blister beetle secretions attack hostile cells – including cancer. There are studies that indicate blister beetles might be used to battle tumors and in chemotherapy treatments.
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