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PDF Seed

Dispersal By

Bats In The

Neotropics By

By Bats In

The

Lobova

Neotropics

By Tatyana

A Lobova

Thank you

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*Page 1/52*

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**seed dispersal  
by bats in the  
neotropics by  
tatyana a**

**lobova.** Maybe you  
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said, the seed  
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neotropics by  
tatyana a lobova  
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*No Bats No  
Rainforest: Seed  
Dispersal by  
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*Bats Visiting  
the Largest Bat  
Colony on Earth!*  
Neotropics By

---

Seed Song – How  
Seeds Move –  
Seed Dispersal  
*Seed Dispersal |  
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Plants | Don't  
Memorise ~~Seeds~~  
~~move!~~ – a read  
~~out loud story~~  
~~book~~ How I Start*

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~~Seeds Indoors~~

~~Tips \u0026~~

~~Techniques Seed~~

~~Dispersal by~~

~~Animals~~ How Do

Plants Move? 5

Methods Plants

Use for Seed

Dispersal! Seed

*Dispersal Seed*

*Dispersal |*

*DIVYA*

---

Seeds on the

Move*Ostriches*



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*for Kids / Seed*

*Dispersal by*

*Animals Very*

ripe lotus seeds

ready for

dispersal

Unbelievable

Footage of

Exploding Plants

[1812 Overture

Edition]

*Caterpillars*

*Feeding on*

*Exploding Touch-*

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~~Me-Not Seed Pods~~

~~/ BBC Earth~~

~~Exploding~~

~~Cucumbers! | Slo~~

~~Mo #36 | Earth~~

~~Unplugged How do~~

~~seeds get~~

~~around?! (in~~

~~MACRO!) | Maddie~~

~~Moate Exploding~~

~~seed pods. —~~

~~Biodiversity~~

~~Shorts #7 Seed~~

~~dispersal -- The~~

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great escape

SAVMA's  
Pollinator's  
Week 2020:

Nectar-feeding  
Bats ~~DISPERSAL OF~~  
~~FRUITS PART 1~~

**Introduction to  
plant ecology  
module 9.4 -  
Dispersal  
syndrome  
examples and  
review** ~~Seed~~

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~~Dispersal by~~  
~~Explosion~~ **Parts**  
**Of A Plant | The**  
**Dr. Binocs Show**  
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**For Kids Fun**  
book Finds! It  
All Starts With  
A Seed... How  
Food Grows **Tree**

**Migration and**  
**Ingenious Seed**  
**Dispersal** ~~Seed~~

~~Dispersal By~~

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PDF Seed

~~Bats In~~

Bats as seed  
dispersers and  
reforesters.

About Bats. Why  
bats matter.

Bats as seed  
dispersers and  
reforesters.

Like birds, some  
bats play a  
critical role in  
spreading the  
seeds of trees

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## PDF Seed

and other plants. Some tropical fruit bats carry seeds inside them as they digest the fruit, then excrete the seeds far away from the original tree. These seeds drop to the ground in their own ready-

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PDF Seed

made fertiliser,  
which helps them  
germinate and  
grow.

Tatyana A

~~Bats as seed  
dispersers and  
reforesters—  
Why bats matter~~

...

Seed Dispersal  
by Bats in the  
Neotropics.

Monograph.

*Page 15/52*

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Series: Memoirs  
of the New York  
Botanical Garden  
Volume: 101. By:

Tatyana A

Lobova, Cullen K  
Geiselman and  
Scott A Mori.

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plates, figs,  
tabs. Publisher:  
New York

Botanical Garden  
Press. Click to



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have a closer

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~~Seed Dispersal~~

~~by Bats in the~~

~~Neotropics +~~

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Neotropics: 101  
(Memoris of ...~~

Seed retention  
time within bats  
is often less

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than 20 minutes and the bats often defecate the seeds while in flight. The seeds of such plants as *Cecropia*, *Solanum*, and *Vismia* are adapted for dispersal by bats and are often the first

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plants to  
colonize large  
open areas. A  
plastic sheet  
placed in the  
middle of one of  
these fields and  
checked for  
seeds

periodically  
reveals that  
scarcely any  
seeds arrive  
during the day

# Bookmark File

## PDF Seed

whereas there is  
a steady "seed  
rain" during the  
night.

## Tatyana A

~~Bats as  
Dispersers — New  
York Botanical  
Garden~~

Bats play a  
fundamental role  
in seed  
dispersal due to  
their

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## PDF Seed

exceptional By  
species  
Bats in The  
diversity,  
Neotropics By  
abundance, and a  
Tatyana A  
variety of  
Lobova  
canopy and  
understory  
feeding habits.  
“Bats disperse a  
larger amount of  
seeds per  
species than  
birds,  
increasing the

# Bookmark File

## PDF Seed

probability of  
seed  
establishment,"  
write the study  
authors.

## Lobova

~~Seed dispersal  
by fruit-eating  
bats essential  
to tropical ...~~  
Using seed traps  
examined before  
sunrise (0400 h)  
and before



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## PDF Seed

sunset (1800 h),  
we compared  
volant  
vertebrate seed  
dispersal,  
assuming that  
seeds found at  
the end of the  
night were  
dispersed by  
bats and those  
found at the end  
of the day were  
dispersed by

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## PDF Seed

birds. We did not find seeds from other frugivores such as monkeys or opossums.

~~Seed Dispersal  
by Bats and  
Birds in Forest  
and Disturbed~~

~~...~~

We investigated  
seed dispersal

# Bookmark File

## PDF Seed

by birds and  
bats in a  
successional  
area in the  
lowland  
dipterocarp  
forest of the  
Subic Watershed  
Forest Reserve  
(SWFR) in Luzon  
Island,  
Philippines.  
Using pairs of  
day and night

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## PDF Seed

traps, we collected seeds during 3 mo of wet season and 3 mo of dry season in a 1.2-ha study site.

~~Seed Dispersal  
by Birds and  
Bats in Lowland  
Philippine ...~~  
The importance  
of

# Bookmark File

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chiropterochory,  
or bat mediated  
seed dispersal,  
relies on the  
fact that 549  
species of 62  
plant families  
are dispersed by  
bats in the  
Neotropics  
(Lobova et al.  
2009) . . . .

~~Seed dispersal~~

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PDF Seed

~~by bats in the  
Neotropics +  
Request PDF  
of Seeds~~

Dispersed by  
Bats in the  
Neotropics is  
being prepared.  
The Seed Atlas  
will include  
original  
morphological  
and anatomical  
data with

# Bookmark File

## PDF Seed

descriptions and images of the fruits and seeds of species of plants dispersed by bats throughout Both genera and species will be described.

~~Atlas of Seeds  
Dispersed by  
Bats in the~~

# Bookmark File

## PDF Seed

~~Neotropics~~

We investigated  
seed dispersal  
by birds and

bats in a

successional  
area in the

lowland

dipterocarp

forest of the

Subic Watershed

Forest Reserve

(SWFR) in Luzon

Island,



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## PDF Seed

Philippines.

Using pairs of day and night traps, we collected seeds during 3 mo of wet season and 3 mo of dry season in a 1.2-ha study site.

~~Seed Dispersal  
by Birds and  
Bats in Lowland~~

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## PDF Seed

~~Philippine . . .~~

“Bats are great pollinators, they help with seed dispersal, and certain bat species can eat between 30 to 50 per cent of their body weight in one feeding, which means they help control insect

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## PDF Seed

populations,"

said Anthony  
Laforge, lands  
director at

Wahnapiitae First  
Nation.

~~First Nations to  
study shrinking  
bat populations  
in northeast~~

Bats dispersed  
almost five  
times more seeds

# Bookmark File

## PDF Seed

than the birds  
and also more  
seeds per  
individual  
(birds: 5,415  
seeds, 66.8 seed  
s/individual;  
bats: 26,670  
seeds, 75.1 seed  
s/individual).

Although the  
number of bird  
fecal samples  
was five times

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## PDF Seed

lower than the number for bats, on average each bird species dispersed more plant species: the plant/animal ratio was 3.9 for birds and 2.7 for bats.

~~Partitioning of seed dispersal services between~~

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## PDF Seed

~~birds and ...~~

Restoration of  
tropical forest  
depended in  
large part on  
seed dispersal  
by fruit-eating  
animals that  
transported  
seeds into  
planted forest  
patches. We  
tested  
effectiveness of

# Bookmark File

## PDF Seed

dispersal agents  
as revealed by  
established  
recruits of tree  
and shrub  
species that  
bore seeds  
dispersed by  
birds, bats, or  
both.

~~Roles of Birds  
and Bats in  
Early Tropical~~

# Bookmark File

## PDF Seed

~~Forest~~ Dispersal By

~~Restoration~~

As the majority

of seeds are

dispersed only

to feeding

roosts, median

dispersal

distances were

similar for both

large (42–67 m)

and small (42–65

m) seeds.

However, small



# Bookmark File

## PDF Seed

seeds were potentially dispersed up to 75.4 km, four times further than the previous maximum distance estimated for a similar-sized frugivore.

~~Long distance  
seed dispersal~~

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PDF Seed

~~by straw~~ By  
~~coloured fruit~~  
~~bats~~...

However, in

Mahua tree,

Madhuca

latifolia

(Sapotaceae)

both pollination

and seed

dispersal are

predominantly

performed by

pteropodid bats.

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## PDF Seed

We report the foraging and seed dispersal strategies of three sympatric pteropodid bats, *Cynopterus sphinx*, *Rousettus leschenaultii* and *Pteropus giganteus*, during two successive

# Bookmark File

## PDF Seed

fruiting seasons  
of *M. latifolia*.

These sympatric  
fruit bats

exhibited spatio-  
temporal

variation while

foraging and

consumed fleshy

mesocarp of

fruits and

discarded the

seeds.

Bookmark File

PDF Seed

~~Seed dispersal  
of a tropical  
deciduous Mahua  
tree, Madhuca~~

~~•••~~  
Tatyana A

Lobova  
Fruit-eating  
bats are one of  
the most  
important seed  
dispersers in  
the tropics.  
Their fruit  
consumption  
increases

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## PDF Seed

dispersal By  
distance from  
parent plants,  
seed  
germination, and  
seed survival.  
They disperse  
keystone  
species, and  
help maintain  
forest diversity  
because of their  
diverse diet.

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## PDF Seed

~~Bat boxes and  
seed dispersal~~

~~Bats in The  
Osa Conservation  
The dispersal-do~~

~~rmancy  
Tatyana A  
Lobova~~  
correlation was  
consistently

negative,  
regardless of  
how we measured  
seed dispersal,  
although such  
correlation was  
marginally

# Bookmark File

## PDF Seed

non-significant  
between seed  
dormancy and  
maximum

dispersal

distance ( $P =$   
 $0.06$ ; Fig. 4c).

In accordance  
with traditional  
expectations,  
seeds of  
perennial  
species were  
more likely to



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PDF Seed

be larger, By  
dispersed  
further and less  
likely to be  
dormant. A

Lobova

~~Trade-off  
between seed  
dispersal in  
space and time  
Chen ...~~

Bats are  
terrific  
ecological

# Bookmark File

## PDF Seed

citizens, By  
playing other  
important roles  
in ecological  
services in  
addition to  
insect  
suppression,  
including seed  
dispersal,  
pollination and  
nutrient  
distribution.

Today, Austin's

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## PDF Seed

resident bats  
are facing  
challenges in a  
region

experiencing  
exponential  
growth and  
development.

While bats can  
coexist easily  
with ...

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