

VISUAL IDENTIFICATION GUIDE TOCOMMON Family: Salticidae (Jumping Spiders) OF BORNEO ISLANDThe Family of Salticidae in BorneoThere are 18 Subfamilies of Salticidae Family worldwide out of which 15 Subfamilies are found in Borneo Island**Family: Salticidae  
(Jumping Spiders)**

There are 18 Subfamilies of Salticidae worldwide  
out of which 15 Subfamilies are found in Borneo Island

|                                    |                                          |
|------------------------------------|------------------------------------------|
| 1- <a href="#">Aelurillinae</a>    | 10- <a href="#">Lyssomaninae</a>         |
| 2- <a href="#">Agoriinae</a>       | 11- <a href="#">Marpissinae</a>          |
| 3- <a href="#">Amycinae</a>        | 12- <a href="#">Myrmarachninae</a>       |
| 4- <a href="#">Ballinae</a>        | 13- <a href="#">Pelleninae</a>           |
| 5- <a href="#">Dendryphantinae</a> | 14- <a href="#">Plexippinae</a>          |
| 6- <a href="#">Euophryinae</a>     | 15- <a href="#">Salticinae</a>           |
| 7- <a href="#">Hasariinae</a>      | 16- <a href="#">Spartaeinae</a>          |
| 8- <a href="#">Heliophaninae</a>   | 17- <a href="#">Synagelinae</a>          |
| 9- <a href="#">Hisponinae</a>      | 18- <a href="#">Synemosyninae</a>        |
|                                    | 19- <a href="#">NEW FAMILY AND GENUS</a> |

The most frequently encountered spiders in Sabah are Family: Salticidae (Jumping Spiders). They are widespread. This is the largest family of spiders with more than 4,400 species.

They hunt actively for food, and as their name indicates, they are adept jumpers. They pounce on their prey or leap away from danger, often with a safety line or drag line trailing behind them.

Some species have resorted to mimicry either for protection or to secure a living, such as the Kerengga Ant-like Jumper (*Myrmarachne plataleoides*).

Salticidae Family (jumping spider family) contains more than 500 described genera and about 5,000 described species, making it the largest family of spiders with about 13% of all species.

Family: Salticidae (Jumping Spiders) have some of the best vision among arthropods and use it in courtship, hunting, and navigation. Although they normally move unobtrusively and fairly slowly, most species are capable of very agile jumps, notably when hunting, but sometimes in response to sudden threats.

Both their book lungs and the tracheal system are well-developed, and they use both systems (bimodal breathing). Family: Salticidae (Jumping Spiders) are generally recognized by their eye pattern. All Family: Salticidae (Jumping Spiders) have four pairs of eyes with one pair being their particularly large anterior median eyes.

## #1 Subfamily : Aelurillinae

Family: Salticidae (Jumping Spiders)

Genus: Siler



Siler semiglaucus

## #2 Subfamily : Agoriinae

Family: Salticidae (Jumping Spiders)

Genus: Agorius



Agorius KINABALU

New Species  
Male and Female

## #4 Subfamily : Ballinae

Family: Salticidae (Jumping Spiders)

Genus: Mantisatta



Mantisatta trucidans

Male

## #5 Subfamily : Dendryphantinae

Family: Salticidae (Jumping Spiders)

Genus: Rhene



Rhene sp SG TAWAU

Female

A new species found in 2009



Rhene flavigera

Male



Rhene rubrigera

Female

## #6 Subfamily : Euophryinae

Family: Salticidae (Jumping Spiders)

### Genus: Thorelliola



#### Thorelliola ensifera

Male



#### Thorelliola sp MADAI

Female

New Species found in Borneo Island

### Genus: Thianitara



#### Thianitara spectrum

FEMALE

Subfamily : Euophryinae

### Genus Thiania



#### Thiania BLUE

Female

A New Species found in 2009



#### Thiania bhamoensis

Male

### Genus: Euophrys



[Euophrys sp BOMBALAI](#)  
Female

**Genus : Parabathippus**



[Parabathippus petrae](#)  
Male

**Genus : Palpelius**



[Palpelius WHITESTRIPE](#)  
Male  
A New Species found in 2009

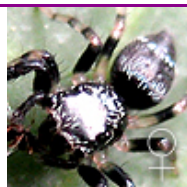


[Palpelius sp TAWAU](#)  
Male  
New record in Borneo



[Palpelius sp MEROTAI](#)  
Female Spidering

**Genus: Donoessus**



Donoessus KNP  
Female  
New species found in 2009

## #7 Subfamily : Hasariinae

Family: Salticidae (Jumping Spiders)

### Genus Hasarius



### Hasarius adansoni NEW sub species

(Not Carrhotus sannio which has thicker hairy legs)

## #8 Subfamily : Heliophaninae

Family: Salticidae (Jumping Spiders)

### Genus: Carrhotus



#### Carrhotus TAWAU Female

A New Species found in 2009



#### CarrhotusTANAHMERAH Female

New Species found in 2009



#### Carrhotus MEROTAI Female

A New Species found in 2009

### Genus Menemerus



#### Menemerus fulvus Female

Common in household



#### Menemerus PUI YUK Female

A New Species found in 2014  
Male unknown



#### Menemerus bivittatus Female

Common in household

Subfamily : Heliophaninae

**Genus: *Cosmophasis***



**Cosmophasis sp SEMARAK**

New sub-species first record found in Semarak 2009



**Heliophanus sp SABAH**

Female



**Cosmophasis thalassina**

Male



**Cosmophasis MEROTAI**

Female

A New Species found in 2008. Male Unknown

21-9-2008 MEROT

Subfamily : Heliophaninae

**Genus: *Epocilla***



**Epocilla calcarata**

Male

**Genus *Pseudicius***



**Pseudicius TAWAU Female**

A new species. Male unknown



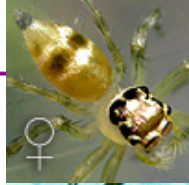
### **Genus: *Phintella***



***Phintella debilis***  
Female



***Phintella sp GEMOK***  
Female. Male unknown



***Phintella sp BOMBALAI***  
Female. Male unknown



***Phintella vittata***  
Male and Female



***Phintella versicolor***  
Male and Female

## #9 Subfamily : Hisponinae

Family: Salticidae (Jumping Spiders)

### Genus: Bavia



#### Bavia BALUNG

FEMALE

A New Species found in Borneo in 2014



#### Bavia GEMOK

FEMALE

A New Species found in Borneo in 2014



#### Bavia sp SEMARAK

Male

New Species in Borneo Island



#### Bavia GUDANG 4

A new species both Male and Female

## #10 Subfamily : Lyssomaninae

Family : Salticidae (Jumping Spiders)

Genus: Asemonea



Asemonea KNP Female

A new species found in 2009

## #11 Subfamily : Marpissinae

Records of 2 Genus 2 Species

Genus: Mendoza



Mendoza KNP FEMALE

Subfamily : Marpissinae

Genus: Simaetha



Simaetha sp BOMBALAI  
Male



Simaetha sp BALUNG

A new species found in 2009

## #12 Subfamily : Myrmarachninae

Family: Salticidae (Jumping Spiders)

### Genus: Myrmarachne



#### Myrmarachne sp TAWAU

New Species  
Male and Female



#### Myrmarachne sp GEMOK

Female



#### Myrmarachne sp MEROTAI2009

New Species found in 2009  
Female. Male unknown



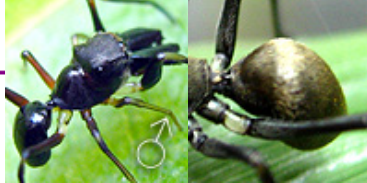
#### Myrmarachne MADAI

Extra Long waist  
Male



#### Myrmarachne malayana

Long Pedicel  
Male



#### Myrmarachne magna

Round Abdomen  
Male



#### Myrmarachne cornuta

##### Type #3

Short waist Round Abdomen  
Male



#### Myrmarachne cornuta

##### Type #2

Short waist Long Abdomen  
Male



### [Myrmarachne cornuta](#)

#### Type #1

Long waist  
Long Abdomen  
Male and Female



### [Myrmarachne sp MEMBALUA](#)

New Species found in 2014  
Female. Male unknown



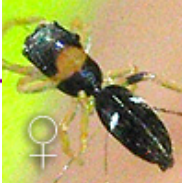
### [Myrmarachne sp MEROTAI2014](#)

Female. Male unknown



### [Myrmarachne sp ABAKA](#)

Unnamed Species found in 2009  
Female and Male



### [Myrmarachne sp SEMARAK](#)

New Species found in 2009  
Female. Male unknown

## #13 Subfamily : Pelleninae

Family: Salticidae (Jumping Spiders)

Genus: Harmochirus



Harmochirus  
brachiatus

Male and Female

## #14 Subfamily : Plexippinae

Family: Salticidae (Jumping Spiders)

SubFamily : Plexippinae

Genus *Burmattus*



Burmattus GERGASSI

A New Species found in 2009



Burmattus KNP2

Female

A new species found in 2009



Burmattus GOMANDONG

Female

A new species found in 2010



**Genus: Epeus****2 Species recorded****Epeus alboguttatus**

Male

**Epeus flavobilineatus**

Male &amp; Female

**Genus: Telamonia****Telamonia YIN**Male and Female

A new species found in 2009

SubFamily : Plexippinae

**Genus Hyllus****Hyllus PORING**Female

A new species found in 2009

**Hyllus diardi**

Male &amp; Female

**Hyllus semicupreus**

Female

**Hyllus lacertosus**

Male &amp; Female

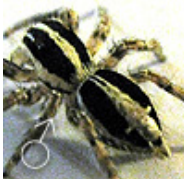
The Gold Jumping Spider



**Genus: Plexippus**  
**3 Records**



Plexippus HOTSPRING Male  
 A new species found in 2009



Plexippus paykulli Male



Plexippus petersi  
Male and Female



## #16 Subfamily : Spartaeinae

2 Genus 3 Species in this guide book

### Genus : Phaeacius



#### Phaeacius BDC Female

New species first record found in Kuching in 2009



#### Phaeacius malayensis

Female & Male

### Genus : Portia



#### Portia fimbriata Male

## #17 Subfamily : Synagelinae

1 Genus 2 Species in this guide

### Genus: Synageles



#### Synageles SEMARAK

New species first record found in Semarak 2009

## #19 Unidentified new family :

Family: Salticidae (Jumping Spiders)

### Unidentified New Genus :



#### **BALUNG BROWN**

A new species found in 2014 at Balung River

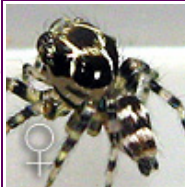


#### New Genus

~~Palpelius sp BCCM~~

Male

New record in Borneo



#### New Genus

Female

A New Species found in 2009



#### New Genus

Hasarius BUKIT GEMOK

Female

A New Species found in 2009

**#20 Not unders any Subfamily :**  
**Family: Salticidae (Jumping Spiders)**

**Genus Leikung**



Leikung porosa  
Male