

# The Geometridae of the United Arab Emirates

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Joint project of the

[Zoologische Staatssammlung München](#) (Dr. Axel Hausmann) and the

[Barcode of Life Data Systems / Global Campaign Geometridae](#) (Dr. Paul Hebert, Canada)

The whole list actually contains 56 species of which 34 species are illustrated basing on recently collected material, cf Hausmann & Skou 2007 (Fauna of UAE 1) and Hausmann & Hebert 2009 (Fauna of UAE 2)

“BC” = barcoded specimens (COI 5’) with ID-number

[LINK to Neighbor Joining Tree](#), Kimura 2 Parameter, BOLD database, provided by the courtesy of Paul Hebert, CCDB, Canada

[pdf of version 1 \(November 12, 2008\)](#)

## Geometrinae

### Pseudoterpnini

***Pingasa lahayei multispurcata* Prout, 1913**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep [01115](#), [01114](#)

***Gnophosema isometra leucites* Wiltshire, 1980**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

### Hemitheini

***Hemithea punctifimbria* Warren, 1896**





Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02130

***Neromia integrata* Hausmann, 2009**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02089, 02088, 02087, 02086

***Neromia simplex* Brandt, 1938**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

***Phaiogramma discessa* (Walker, 1861)**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02085, 02084, 02083

**Microloxiini**

***Hemidromodes sabulifera* Prout, 1922**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02090, 02091

***Microloxia indecretata* (Walker, 1863)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02132, 02131

**Sterrhinae****Sterrhini*****Idaea illustris* (Brandt, 1941)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02105, 02104, 02103

***Idaea mimetes* (Brandt, 1941)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02100, 02102, 02101

***Idaea sanctaria crassisquama* (Warren & Rothschild, 1905)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02115, 02114

***Idaea granulosa* (Warren & Rothschild, 1905)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02120, 02119, 02121

***Idaea sordida* (Rothschild, 1913)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02097, 02099, 02098

***Idaea eremica* (Brandt, 1941)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02124, 02123, 02122

***Brachyglossina sciasmatica* Brandt, 1941**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02134, 02133

(=*Brachyglossina rowlandi*)

## Scopulini

### *Scopula adelpharia* (Püngeler, 1894)



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02125, 02126

### *Scopula caesaria walkeros* Wiltshire, 1980



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02139, 02094, 02138

### *Scopula omana* Wiltshire, 1977

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

### *Scopula nubifera* Hausmann, 1998

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

### *Scopula chalcographata* Brandt, 1938



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02129

### *Scopula harteni* Hausmann, 2009





Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 00979, 02118, 02117, 02116

***Scopula minorata ochroleucaria* (Herrich-Schäffer, 1847)**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02095, 02096

***Scopula relictata* (Walker, 1866)**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02113, 02112, 02111

**Rhodostrophiini**

***Rhodostrophia skulei* Hausmann, 1998**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

**Cosymbini**

***Palaeaspilates sublutearia* (Wiltshire, 1977)**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02078, 02077, 02076

(=*Anisephyra sublutearia*)

***Pseudosterrha rufistrigata* (Hampson, 1896)**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02093, 02092

***Pseudosterrha paulula* (Swinhoe, 1886)**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

***Traminda mundissima* (Walker, 1861)**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 01124, 01123, 01125

**Rhodometrini**

***Rhodometra sacraria* (Linnaeus, 1767)**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 01121, 01122

**Larentiinae**

**Xanthorhoini**

***Orthonama obstipata* (Fabricius, 1794)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 01126

***Xanthorhoe peribleta* (Brandt, 1941)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02128

***Xanthorhoe wiltshirei* (Brandt, 1941)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02079, 02127

***Xanthorhoe rhodoides* (Brandt, 1941)**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

***Protorhoe unicata centralisata* (Staudinger, 1892)**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

**Cidariini*****Nebula saidabadi* (Brandt, 1941)**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

## Eupitheciini

### ***Pasiphila palaeartica* (Brandt, 1938)**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02140, 02107, 02108

(*Calliclystis palaeartica*)

### ***Spiralisigna angusta* Hausmann & Skou, 2008**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02110, 02109, 02141

### ***Eupithecia mekrana amiralis* Wiltshire, 1986**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02135, 02136, 02106

### ***Eupithecia ultimaria* Boisduval, 1840**



Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02137

***Eupithecia* sp. nr. *relaxata* Dietze, 1903**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

***Eupithecia maerkerata* Schütze, 1961**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

**Chesiadini*****Lithostege fissurata inanis* Prout, 1941**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 02080, 02082, 02081

**Ennominae****Macariini*****Isturgia disputaria* (Guenée, 1858)**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 01127, 01128

***Chiasmia latimarginaria* (Rebel, 1907)**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

***Isturgia perviaria* (Lederer, 1855)**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

***Isturgia pulinda deerraria* (Walker, 1861)**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

***Gnopharmia musandamensis*: Wiltshire & Legrain, (1998; nomen nudum)**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

***Atomorpha hedemanni baloutschistana* Wehrli, 1953**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

**Cassymini*****Zamarada minimaria* Swinhoe, 1895**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

**Ennomini*****Coenina collenettei* Prout, 1931**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

**Boarmiini*****Cleora nana* Hausmann & Skou, 2008**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 01120, 01119

***Phaselia erika* Ebert, 1965**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

***Zeuctoboarmia syntropha* (Prout, 1931)**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

**Caberini*****Hyperythra swinhoei* Butler, 1880**

Male genitalia - aedeagus -- female genitalia

BC ZSM Lep 01118, 01117, 01116

**Gnophini*****Cnestrognophos chalcograptus*: Wiltshire & Legrain ,in litt.'**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

***Dicrognophos wiltshirei* Wehrli, 1938**

not recorded in recent collectings (cf Fauna of UAE 1 and 2)

# BOLD TaxonID Tree

Project : BOLD Search[NO CODE]  
Date : 6-October-2008  
Data Type : Nucleotide  
Distance Model : Kimura 2 Parameter  
Codon Positions : 1st, 2nd, 3rd  
Labels : Country & Province, SampleID,  
Colorization :

Sequence Count : 70  
Species count : 30  
Genus count : 20  
Family count : 1  
Unidentified : 0

2 %

