INT. J. BIOL. BIOTECH., 4 (2-3): 113-119, 2007.

CHECK LIST OF MOTHS (LEPIDOPTERA:HETEROCERA) OF PAKISTAN

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ABSTRACT

A check-list of moths of Pakistan with species and families name and distribution with their host association is given.

Key words: Check-list, Moths, Heterocera, Pakistan.

INTRODUCTION

Moths are members of order Lepidoptera. Moths and Butterflies have scale-covered wings, from which the scientific name is derived (Gr. lepis means scale and pteron means wing). The Lepidoptera include about 130,000 known species, with an incalculable number still to be found and described, especially in the tropics. Of these, the Butterfly accounts for around 18,500 species and rest of them goes into the account of Moths.

Moths have frequently held our fascinated attention but it has to be admitted that the most common interaction between humanity and moths is when moths are acting as pests. Many migrant moths continue to fly on, even when they have reached an area where there is suitable habitat available. They seem to be "programmed" to use up their metabolic resources before they stop. Moths and Butterflies share common life cycle and the various ways in which this is adapted to differing climates, habitats and conditions. All adult female Lepidoptera lays eggs.

Many adult moths disperse either within the habitat or to new suitable areas elsewhere. For most adult moths, the immediate priority after emergence is to find a suitable mate; this poses a considerable problem for a relatively small organism in a large world. The opportunities for finding a mate by chance encounter are remote and most species have very effective mechanisms for locating the opposite sex of their own species. The obvious and indeed legendary was in which this is done is for the females to emit an attractive scent and in some species this plume of perfume is effective over a distance of several kilometers. This sort of attractive chemicals, released by one individual and inducing a behavioural response in another, is called a pheromone. We have learnt to produce some of these chemicals artificially and to use them to attract the males of certain pest species to killing traps to control them.

The remarkable works which have been done on Moths are Butler (1875), Moore (1882-83), Walker (1854), Cotes and Swinhoe (1886,1889), Westwood (1889), Hampson (1892-98), Harmer and Shipley (1899), Lefroy (1909), Seitz (1913), Core *et al.* (1938), Buchsbaun (1938), Sevastopolo (1940, 1942, and 1947), Curran (1946), Imms (1957), Chaudhry *et al.* (1966 and 1970), Haque (1970), Dennis (1975), Watson *et al.* (1980), Dubatalov (1985), Helgard (1991), Hashmi and Tashfeen (1992), Goodger and Watson (1995), Jervis and Kidd (1996), Young (1997), Kristensen (1999),Gavin (2000) and from 2001 to 2004 present authors have been collected Moths from the different locations of Pakistan, made research, and archived following results.

Name of the Specie	Locality	Host Plant	Reference No.*
Family - Arctiidae			
Aegocera venulia Cramer	Muree	*Pinus wallichiana*	3,6,15,29,30
Agape ficus F.	Dongagali	*Rhamnus virgata*	3,6,12,15,31
Agylla albifinis Walker	Muree	*Berberis lyceum*	2,7,14,16,28
Agylla metaxantha (Walker)	Muree	*Berberis lyceum*	2,8,14,16,28
Agylla ramelana Moore	Dongagali	*Berberis lyceum*	3,6,12,15,24
Amerila astreus (Walker)	Dongagali	*Salix babylnica*	2,5,14,19,28
Amsacta albistriga Walker	Dongagali	*Ribes glaciale*	1,14,28,29,31
Amsacta lineola F.	Dongagali	*Nepeta erecta*	6,12,16,26,29
Amsacta morrie Butler	Dongagali	*Nepeta erecta*	2,12,16,26,29
Arctia caja L.	Sawat	*Quercus ilex*	3,12,21,25,31
Argina argus Koll	Ghoragali	*Pinus wallichiana*	5,11,15,24,26

Argina cribararia Clerk	Hazara	*Ailanthus sp.*	3,6,8,12,14,21
Asota caricae F.	Ghoragali	*Skimmia laureola*	2,12,22,25,29
Asura punctata Roths	Thandiani	*Pistacia* sp.	2,12,20,22,27
Asura punctata Roths	Dongagali	*Quercus dilatata*	4,12,15,24,28
Callimorpha plagiata Wlk	Ghoragali	*Cornus macrophylla*	4,12,15,17,20
Callimorpha principalis Koll	Dongagali	*Quercus dilatata*	2,6,7,10,26,30
Callitomis syntomodies Butler	Dongagali	*Abies pindrow*	1,14,15,23,25
Carcinopyga licheniugera Fd	Sawat	*Alnus nitida*	3,6,8,12,15,24
Chionoaema arama Moore	Ghoragali	*Pyrus pashia*	3,16,12,15,24
Chionaema bellissima Moore	Dongagali	*Berberis lycium*	3,16,12,15,24
Chionaema detrita Walker	Hazara	*Morus sp.*	3,16,12,28,29
Chionaema dobertyi Elwes	Dongagali	*Quercus dilatata*	1,12,14,15,29
Chionaema perigrina Walker	Dongagali	*Quercus dilatata*	3,16,12,28,29
Chionaema puella Drury	Hazara	*Morus* sp.	2,3,6,15,20,25
Chionaema quadrinotata Walker	Abbottabad	*Platanus* sp.	3,12,16,28,29
Chrysorabdia viridata (Walker)	Dongagali	*Plectranthus rugosus*	3,12,16,28,29
Cretonotus gangis L.	Karachi	*Inula granteoides*	1,4,6,11,29,30
Cretonotus transiens Walker	Peshawar	*Tectona grandis*	3,11,28,29,31
Diacrisia casignata Koller	Hazara	*Rumex hastatus*	1,14,15,17,21
Diacrisia erythrozona Koller	Hazara	*Quercus incana*	6,14,15,17,21
Diacrisia felderi Roths	Azad Kashmir	*Indigofera sp.*	5,14,15,17,21
Diacrisia oblique Walker	Abbottabad	*Ulmus wallichiana*	1,14,15,17,28
Diacrisia unifascia Walker	Azad Kashmir	*Berberis sp.*	1,14,15,17,28
Digama hearseyana Moore	Islamabad	*Acacia sp.*	2,3,6,15,24,29
Dysauxes punctata F.	Ziarat	*Pistacia khinjuk*	1,5,7,17,25,28
Eilema basinota Moore	Dongagali	*Lonicera webbiana*	6,14,15,24,29
Eilema conformis Walker	Sawat	*Celtis eriocarpa*	6,14,15,28,31
Eilema reticulate Moore	Hazara	*Skimmia laureola*	6,14,15,24,30
Eilema vagesa Moore	Dongagali	*Populus ciliate*	6,14,15,20,24
Eilema vicaria Walker	Dongagali	*Daphne papyracea*	6,14,15,25,28
Estigmene lactinea Hubner	Chittral	*Juniperus communis*	1,3,6,12,20,30
Estigmene imbuta Walker	Kalam	*Cedrus deodara*	3,6,7,12,28,29
Estigmene quadriramosa Koller	Sawat	*Pinus sp.*	3,6,8,12,29,30
Euchromia polymena L.	Dongagali	*Quercus dilatata*	1,16,23,27,28
Miltochrista phaeodonta Hubner	Dongagali	*Ulnus wallchiana*	6,12,15,29,31
Nyctemera lacticinea Cramer	Dongagali	*Quercus incana*	7,11,20,23,25
Nyctemera plagifera Walker	Dongagali	*Quercus incana*	7,11,28,30,31
Oenistis entella Cramer	Dongagali	*Aesculus indica*	7,11,20,23,24
Pericallia imperialis Koller	Kalam	*Juglans regia*	2,11,12,29,31
Pericallia ricini (F).	Kalam	*Juglans regia*	2,11,12,29,31
Pericallia transversa Moore	Abbottabad	*Pyrus pashia*	2,11,24,29,30
Siccia sordida Butler	Sawat	*Pinus wallichiana*	2,6,7,20,28,30
Siccia taprobanis Walker	Sawat	*Rhus continues*	6,11,20,29,30
Sidyma albifinis Walker	Dongagali	*Populus ciliate*	1,3,6,15,24,30
Simerreea basinota Moore	Dongagali	*Taxus wallichiana*	5,14,21,24,29
Spilosoma bifurca Walker	Dongagali	*Juglans regia*	6,11,12,15,28
Spilosoma impleta Walker	Dongagali	*Juglans regia*	6,11,12,15,28
Spilosoma melanostigma Eversmann	Dongagali	*Querous incana*	6,11,15,29,30
Spilosoma poswali Nargis & Kamal	Dongagali	*Juglans regia*	Sp.n
Spilosoma saleemi Nargis & Kamal	Dongagali	*Juglans regia*	Sp.n
Spilosoma stigmata Moore	Dongagali	*Querous incana*	6,11,12,24,30
Spilosoma subfesia Moore	Dongagali	*Querous incana*	4,6,7,12,24,30
Stigmatophora palmate Moore	Hazara	*Lonicera sp.*	1,4,6,12,24,30
Syntomis bicincta Kill	Sawat	*Contoneaster sp.*	3,5,6,12,20,31
Syntomis lucina Butler	Abbottabad	*Platanus oricntalis*	2,3,6,12,20,22
Syntomis sperbius F.	Quetta	*Prunus cerasus*	3,6,8,12,20,29

Thyrgorina rhodophila Walker	Dongagali	*Aesculus indica*	6,11,20,29,31
Utethesia amhara Jordan	Dongagali	*Pistacia sp.*	9,11,20,29,30
Utethesia lotrix Cramer	Dongagali	*Pistacia sp.*	1,11,20,29,30
Utethesia pulchella (L).	Peshawar	*Eugenia sp.*	3,4,9,12,15,29
Family - Bombycidae			
Ocinara signifera Walker	Sawat	*Rhus continues*	1,13,16,18,28
Trilocha varians Walker	Peshawar	*Ficus relegiosa*	5,13,16,19,28
Family - Cossidae.			
Cossus cadambae Moore	Peshawar	*Salix tetrasperma*	6,15,21,24,27
Xyleutes mineus Cramer	Dongagali	*Cedrus deodera*	3,12,17,19,31
Zeuzera coffeae Niein	Hazara	*Ficus sp.*	1,3,6,12,15,21
Zeuzera multistrigata Moore	Dongagali	*Abies pindrow*	1,3,6,15,24,27
Family - Cymatophoridae.			
Thyatira batis Linn.	Azad Kashmir	*Berberis sp.*	9,12,20,21,26
Family - Drepanidae.			
Macrocilix mysticata Kill.	Murree	*Taxarix articulate*	1,6,18,22,27
Oreta vatama Mre.	Azad Kashmir	*Vibrnum sp.*	5,8,14,23,25
Family - Eucosmidae.			
Eucosma hypsidryas Meyr	Hazara	*Ficus carica*	8,13,16,19,23
Family - Geometridae.			
Agathina lycaenaia Koller	Dongagali	*Terminalia catappa*	5,7,13,19,22
Aglossochloris radiate Walker	Quetta, Ziarat	*Terminalia catapha*	6,12,15,28,29
Alcis nudipennis Warr	Hazara	*Marus sp.*	1,6,13,20,27
Alcis trikotaria Felder	Malakand	*Pinus roxburgha*	1,6,13,23,26
Anaitis plagiata L.,	Sawat	*Mallotas philippensis*	6,9,18,21,25
Ascotis imparata Walker	Mianwali	*Melia azedarach*	6,9,18,28,31
Chlorisa pretiosaria Stqr	Abbottabad	*Platanus sp.*	7,12,13,19,26
Cleora cornria Gn.	Sawat	*Pinus roxburgha*	7,12,13,23,25
Cleora repulsaria Walker	Sawat	*Pinus roxburgha*	6,9,18,28,31
Colostygia albogirata Kollar	Dongagali	*Prunus cornuta*	6,8,16,20,27
Ctenognophos paerlita Butler	Azad Kashmir	*Indigofera sp.*	2,9,16,19,30
Dysphania minervaria Gn.	Dongagali	*Cornus macrophylia*	1,9,13,21,27
Ectropis deodarae Beeson	Murree	*Cedrus deodara*	5,8,19,26,29
Euphyia subangulata Kollar	Sawat	*Pinus wallichiana*	6,12,17,20,25
Gonodontis angularia Moor	Murree	*Pinus wallichiana*	6,12,17,20,24
Gonodontis kametaria Felder	Hazara	*Pistacia integerimma*	4,14,22,23,27
Hemistola detracta Walker	Sawat	*Fragaria nubicoala*	6,7,9,18,28,31
Hemistola fletcheri Prout	Kalam	*Juglans regia*	1,6,9,18,20,27
Heterolocha rosearia Leech	Ghoragali	*Quereus incana*	5,14,16,23,25
Medasina albidaria Walker	Murree	*Salix sp.*	7,18,28,30,31
Medasina pulverulenta Hampson	Rawalpindi	*Grewia tenax*	7,12,18,28,29
Odontopera kametaria Felder	Nathiagali	*Cedrus deodara*	1,4,9,17,20,22
Ozola microniaria Walker	Ghoragali	*Diospyrus lotus*	7,12,15,19,30
Physetobasis dentifascia Hampson	Hazara	*Lonicera sp.*	4,12,18,20,28
Problepsis ocellata Friv.	Hazara	*Pyrus pashia*	9,17,19,23,29
Sabaria rondelaria F.,	Dongagali	*Mucuna pruriens*	9,13,18,21,27
Scopula nesciaria Walker	Murree	*Temarix articulate*	1,6,9,18,28,31
Scopula pallida Warr.	Murree	*Pistacia sp.*	3,4,9,18,19,27
Semiothisa eleonora Fab.	Murree	*Tamarix articulate*	5,6,9,13,21,25
Semiothisa streniataria Walker	Mardan	*Juglans regia*	16,18,19,24,30
Somatina anthophilata Gn.	Dongagali	*Mucuna pruriens*	5,7,8,20,29,31

Stenorumia ablunata Gn.	Sawat	*Pistacia sp.*	1,4,5,20,22,30
Family - Heliodinidae			
Eretmocera impactella Walker	Dongagali	*Lonicera webbiana*	2,3,9,18,29,30
Family - Hypsidae			
Hypsa ficus Fabr.	Lahore	*Oryza sativa*	5,6,7,20,23,29
Family - Lasiocampidae			
Estigena pardalis Walker	Azad Kashmir	*Pinus roxurghii*	3,4,7,18,28,29
Lenodora fia Swinh	Hazara	*Morus sp.*	5,7,9,17,19,20
Malacosma indica Walker	Sawat	*Contoneaster sp.*	2,4,9,18,20,25
Metanastria ampla Walker	Ghoragali	*Cornus macrophylla*	2,3,9,18,20,29
Nadiasa siva Lef.	Kohat	*Diospyros Montana*	10,21,27,28,30
Family - Limacodidae			
Altha niven Walker	Murree	*Tamarix articulate*	29,18,27,30,31
Iragoides conjuncta Walker	Dongagali	*Ficus carica*	3,8,9,12,28,31
Macroplectra nararia Moore	Sawat	*Albizzia lebbek*	12,18,24,25,30
Parasa lipida Cramer	Hazara	*Ficus sp.*	1,6,7,16,25,29
Parasa pastoralis Butler	Abbottabad	*Platanus oricntalis*	2,11,14,23,26
Setora nitens Walker	Dongagali	*Abies pindrow*	14,15,21,28,29
Thosea cana Walker	Sawat	*Juglans regia*	15,21,27,28,29
Family - Lymantridae			
Dasychira mendosa Hubner	Dongagali	*Lonicera sp.*	8,14,17,25,26
Euproctis divisa Walker	Dongagali	*Juglans regia.*	3,4,9,18,28,31
Euproctis fraternal Moore	Peshawar	*Zezyphus sp.*	1,5,9,18,24,28
Euproctis scintillans Walker	Azad Kashmir	*Indigofera sp.*	2,4,9,18,28,30
Euproctis vitellina Koller	Murree	*Salix sp.*	13,18,24,27,28
Euproctis xanthorrhoea Koller	Abbottabad	*Salix sp.*	12,16,21,22,27
Leucoma flavosulphrea Ersch.	Kalam	*Contoneaster sp.*	9,12,17,28,31
Lymantria concolor Walker	Dongagali	*Querous incana*	12,17,27,28,30
Lymantria obfuscate Walker	Murree	*Cedrus deodara*	16,18,24,26,28
Numenes siletti Walker	Dongagali	*Qyerous incana*	3,14,16,21,26
Trabala Vishnu Lefroy	Hazara	*Lonicera sp.*	5,13,19,25,26
Family - Lyonetiidae			
Leucoptera sphenograpta Myer	Peshawar	*Pyrus malus*	1,5,9,19,28,29
Family - Noctuidae			
Aegcera bimacula Walker	Azd Kashmir	*Omdogpfera sp.*	1,5,9,19,28,29
Agrotis flammatra Fab	Peshawar	*Pyrus malus.*	2,4,6,15,19,27
Agrotis ypsilon Rott.	Murree	*Cornus Macrophylla.*	4,6,7,15,19,27
Amyna octo Gn.	Abbottabad	*Cedrus deodera.*	3,12,15,16,26
Apatele maxima Moore	Hazara	*Morus sp.*	6,14,18,24,27
Apopestes spectrum Esp.	Rawalpindi	*Acacia modesta.*	6,15,20,28,31
Arcta taprobana Moore.	Abbottabad	*Pistacia sp.*	14,24,27,29,30
Areyophora ieteriea Swinh.	Ghoragali	*Ailanthus sp.*	3,12,15,19,23
Asticta dorsigera Walker	Azad Kashmir	*Indigofera sp.*	12,19,20,25,28
Borolia venalba Moore	Donga gali	*Salix babylonica*	11,16,24,27,29
Calpe emarginata Fab.	Donga gali	*Salix babylonica*	1,15,22,29,30
Characoma rufieirra Hampson	Dir agency	*Juglans regia*	1,12,15,17,25
Cirphis loreyi Dup.	Murree	*Pistacia integerimma*	18,20,25,27,28
Daseochaeta pallens Moore	Hazara	*Rumex hastatus*	5,11,12,15,24
Emmelia fascialis Hamp.	Sawat	*Myrsine Africana*	12,15,18,24,28

Entomogramma autrix Guen.	Quetta	*Pistacia khinjuk*	1,17,21,22,27
Ephasia flavescens Hampson	Sawat	*Jasminum humile*	10,12,16,19,23
Erebus ephesperis Hubner	Donga gali	*Quercus dilatata*	1,17,19,27,31
Eublemma silicula Swinh.	Peshawar	*Pyrus malus*	3,4,9,12,17,27
Euplexia gemmifera Walker	Murree	*Tamarix articulate*	7,17,28,30,31
Eusemia adulatrix Koller	Donga gali	*Abies pinmdrow*	2,5,6,27,30,31
Fodina stola Guen.	Donga gali	*Aesculus indica*	1,12,20,28,30
Grammodes stolida Fab.	Azad Kashmir	*Indigofera sp.*	3,4,5,17,29,30
Haderonia culta Moore	Hazara	*Pistacia integerimma*	7,15,18,21,24
Heliothis armigera Hubner	Quetta	*Prunus cerasus*	1,12,13,22,27
Hermonassa incise Moore	Sawat	*Pistacia integerimma*	5,21,24,28,30
Hypena subvittalis Walker	Mardan	*Ficus carica*	9,15,17,24,28
Hypocala lativitta Moore	Sawat	*Mallotus phillippensis*	3,5,9,16,24,26
Hypotacha indecisa Walker	Murree	*Acacia sp.*	3,11,15,22,28
Ichthyura anachoreta F.	Abbottabad	*Vitis vinifera*	5,7,9,15,20,23
Lugoptera honesta Hubner	Murree	*Ficus carica*	9,17,26,27,31
Leucania angulifera Moore	Sawat	*Contoneaster sp.*	5,6,9,18,24,30
Nycteola diplographa Hampson	Sawat	*Contoneaster sp.*	8,12,16,19,21
Othreis salaminia Cramer	Donga gali	*Taxus wallichiana*	3,4,9,18,20,25
Ozarba hypenoides Butler	Abbottabad	*Pistacia sp.*	2,3,9,17,21,27
Pericyma umbrina Guen	Malakand	*Acacia modesta*	3,5,9,11,18,20
Plecoptera reflexa Guen	Kohat	*Diospyros Montana*	3,5,9,11,18,29
Plusia nigristigma (Walker)	Peshawar	*Ficus sp.*	11,13,18,28,31
Prodenia litura F.	Kohat	*Diospyros Montana*	6,13,16,26,29
Rhesala imparata Walker	Kalam	*Acacia suma*	15,21,28,29,30
Simplicia butesalis Walker	Azad Kashmir	*Pinus Roxburghii*	15,21,28,29,31
Simyra conspersa Moore	Quetta	*Prunus cerasus*	1,13,24,28,29
Speiredonia retorta Cramer	Mianwali	*Leucaena glauca*	3,5,9,12,27,29
Spodoptera exigua Hubner	Quetta	*Prunus amygdalus*	1,2,9,17,20,27
Tarache fascialis Hampson	Sawat	*Acacia suma*	12,15,16,20,27
Tegosioma pentodontalis Ersch.	Quetta	*Prunus cerasus*	13,17,20,27,31
Timora beatrix Moore	Azad Kashmir	*Berberis sp.*	5,7,9,12,15,24
Xanthograpta trilatalis Walker	Abbottabad	*Pistacia sp.*	5,12,15,17,28
Family - Pyralidae			
Aulacodes perilbocalis Walker	Abbottabad	*Pistacia sp.*	7,12,15,28,31
Aulacodes sejunctalis Snell.	Sawat	*Juglans regia.*	3,4,9,15,21,27
Betousa trifascialis Mre.	Donga Galli	*Prunus cornutea.*	3,15,20,27,31
Catselysta sp.	Hazara	*Xylosoma longifolium*	9,13,19,27,31
Catereirna cedrella Hampson	Sawat	*Pinus roxburgha*	9,12,17,20,23
Chilo sp.	Abbottabad	*Platanus sp.*	3,8,9,16,24,28
Cotachena histricalis Walker	Sawat	*Cedrus deodera*	12,13,20,19,28
Cryptoblabes sp.	Peshawar	*Cassia fistula*	4,14,16,20,25
Dioryctria abietella D& S	Sawat	*Pinus wallichna*	14,20,25,27,30
Euchromius ocellea Haw.	Quetta	*Terminalia catapha*	1,4,5,12,17,27
Euzophera cedrella Hampson	Quetta	*Pinus gerardiama*	3,12,20,27,29
Glyphodes caesalis Walker	Donga Gali	*Populus ciliate*	9,21,27,28,29
Hapalia demastisalis Walker	Multan	*Pyrus malus*	5,12,21,27,28
Hymenia recurvalis F.	Donga Gali	*Quercus dilatata*	1,7,9,18,27,30
Hymenoptychis sordida Zell	Kalam	*Cedrus deodara*	3,4,7,19,27,31
Hypsipyla robusta Moore.	Lahore	*Oryza satiya*	15,18,20,24,26
Loxostge palealis Sch.	Sawat	*Juglans regia*	1,3,9,17,21,30
Lygropia quaternalis Zell	Abbottabad	*Platanus oricntalis*	3,4,5,19,27,31
Margarania pyloalis Walker	Sawat	*Xylosoma longifalium*	2,12,17,20,28
Nomophila noctuella Schiff.	Hazara	*Ficus sp.*	7,15,18,22,29
Noctuelia floralis Hubner	Quetta	*Prunus cerasus*	1,3,7,16,21,29

Palpita hilaralis Walker	Nathia gali	*Pyrus poshia*	7,15,22,28,31
Papua aurifusella Walker	Sawat	Albizzia lebbek	6,12,19,21,27
Phycita sp.	Sawat	*Pinus wallichiana*	4,15,18,22,29
Pionea verbascalis Schiff.	Hazara	*Pyrus pashia*	1,13,16,21,29
Plodia interpunctella Hubner	Mardan	*Pistacia sp.*	5,12,20,24,31
Pycnarmon cribrata F.	Donga gali	*Mucuna pruriens*	1,12,15,17,18
Pygospila tyres Cramer	Murree	*Pistacia sp.*	1,12,19,27,30
Pyralis tripartite Hampson	Sawat	*Acacia suma*	1,16,18,28,30
Pyrausta diniasalis Walker	Sawat	*Acacia suma*	4,16,18,28,29
Sylepta crotonalis Walker	Sawat	*Cedrus deodara*	17,18,27,28,31
Synclera univocalis Walker	Donga gali	*Linicera sp.*	3,5,9,12,19,28
Uresphita polygonalis Schiff.	Hazara	*Pistacta sp.*	9,13,19,20,23
Family - Saturniidae			
Actias silence (Hubner)	Sawat	*Alnus nitida*	12,18,19,20,26
Antheraca pulchra Moore	Ghora gali	*Cornus macrophylla*	16,17,24,27,29
Attacus cynthis Drury	Hazara	*Zanthoxylum sp.*	1,5,9,17,29,31
Family - Sphingidae			
Acherontia lachesis F.	Donga gali	*Quercus dilatata*	7,16,20,22,27
Celerio lineate livornica (Exper)	Dir agency	*Juglans regia*	1,12,16,17,29
Cephonodes hylas (L).	Dir agency	*Juglans regia*	3,7,9,13,27,31
Chromis erotus (Cramer)	Murree	*Salix sp.*	6,8,9,11,19,27
Clanis phalaris Cramer	Abbottabad	*Cedrus deodera*	2,5,7,16,20,21
Deilephila nerii (L).	Peshawar	*Teciona grandis*	4,12,19,20,23
Herse convolvuli L.	Sawat	*Pinus wallichiana*	7,16,21,25,29
Hippotion celerio (L).	Peshawar	*Convivulus sp.*	9,12,16,19,21
Macroglossum nycteris Koller	Hazara	*Ficus curica*	6,17,19,21,27
Nephele didyma (F).	Quetta	*Terminalia catappa*	1,4,9,15,27,30
Pergesa elpenor macromera (Butler)	Donga gali	*Juglans regia*	2,8,9,17,23,25
Polyptychus dentatus Cramer	Mianwali	*Leucaena glance*	1,17,19,24,28
Sataspes scotti Jord.	Hazara	*Salix sp.*	3,12,18,27,30
Theretra nessus (Drury)	Donga gali	*Pistacia sp.*	5,7,8,17,23,28
Family - Tortricidae			
Archips micaceana Walker	Peshawar	*Prunus persica*	3,8,9,17,21,28
Clepsis rurinana L.	Kaghan	*Quercus ilex*	1,12,18,19,22
Laspeyresia tricentra Meyr.	Kalam	*Cedrus deodara*	3,12,17,20,27
Olethreutes cellifera Meyr.	Peshawar	*Eugenia sp.*	5,12,17,19,31

*, reference number is indicated in the last of each reference.

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(*Accepted for publication June 2007*)