

INSECTA : COLEOPTERA : CHRYSOMELIDAE

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INTRODUCTION

The Chrysomelidae is one of the largest families of the order Coleoptera. These beetles are commonly known as leaf beetles and include around 50,000 species in the world (Basu, 1996). Chrysomelids are phytophagous and are among the most diverse and conspicuous insects appearing on plants. The adults feed on living plant material, usually consuming leaves or sometimes various flower parts including pollen. The larvae mostly feed on leaves, while many are subterranean, attacking roots and underground stems.

Works on Indian fauna of Chrysomelidae were done by Jacoby (1908), Maulik (1919, 1926, and 1936) and Scherer, (1969, on Alticinae). Over 1,460 species are recorded so far from India (Basu, 1996). The present work is based on the previous literatures and aims in listing of all the species (barring subfamily Cassidinae which is dealt separately) recorded from the state of Maharashtra. The present list follows essentially the arrangements proposed by Jacoby (1975), Maulik (1926) and Basu (1996).

The present inventory of Chrysomelidae of Maharashtra deals with 68 species under 39 genera and 8 subfamilies.

SYSTEMATIC ACCOUNT

Order COLEOPTERA

Suborder POLYPHAGA

Superfamily CHRYSOMELOIDEA

Family CHRYSOMELIDAE

Subfamily GALERUCINAE

Genus *Oides* Weber, 1801

1. *Oides bipunctata* (Fabricius), 1801

Distribution : Assam, Bengal, Bihar, Maharashtra (Mumbai).

2. *Oides andrewesi* Jacoby, 1900

Distribution : Assam, Bihar, Maharashtra, Meghalaya, Orissa, West Bengal.

Elsewhere : Myanmar, Laos, Vietnam.

Genus *Haplosoma* Jacoby, 1884

3. *Haplosoma unicolor* Illiger, 1800

Distribution : Andaman Islands, Assam, Bengal, Bihar, Eastern Himalayas, Karnataka, Kerala, Maharashtra, Orissa.

Elsewhere : China, Korea, Java, Myanmar, Nepal, Philippines, Sumatra.

Genus *Aulacophora* Chevrolat, 1842

4. *Aulacophora foveicollis* (Lucas, 1849)

Distribution : Andaman Islands, Arunachal Pradesh, Bihar, Gujarat, Kerala, Maharashtra (Mumbai, Pune), Meghalaya, Orissa, Punjab, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh.

Elsewhere : Algeria, Egypt, Greece, Nepal, South Europe, Sri Lanka.

5. *Aulacophora intermedia* Jacoby, 1892

Distribution : Assam, Bihar, Gujarat, Karnataka, Maharashtra.

Elsewhere : Myanmar, Sri Lanka.

6. *Aulacophora impressa* (Fabricius, 1801)

Distribution : Bihar, Karnataka, Maharashtra.

7. *Aulacophora frontalis* Baly, 1888

Distribution : Karnataka, Maharashtra, Tamil Nadu, Tripura, West Bengal.

8. *Aulacophora indica* (Gmelin, 1790)

Distribution : Assam, Haryana, Jammu and Kashmir, Karnataka, Maharashtra, Madhya Pradesh, Orissa, Sikkim, Uttar Pradesh, West Bengal.

Elsewhere : Bhutan, Japan, Nepal, Pakistan.

9. *Aulacophora lewissi* Baly, 1886

Distribution : Assam, Bihar, Gujarat, Haryana, Jammu and Kashmir, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Orissa, Punjab, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal.

Elsewhere : Bhutan, Myanmar, Nepal, Sri Lanka.

Genus *Monolepta* Erichson, 1843

10. *Monolepta Longitarsis* Jacoby, 1896

Distribution : Maharashtra, Nilgiri Hills.

11. *Monolepta nigrobilineata* (Motschulsky 1860)

Distribution : Maharashtra, Tamil Nadu, West Bengal.

Elsewhere : China, Japan.

12. *Monolepta khasiensis* Weise, 1916

Distribution : Assam (Khasi Hills), Maharashtra.

13. *Monolepta scripta* (Motschulsky, 1866)

Distribution : Assam (Khasi hills), Karnataka, Maharashtra (Mumbai, Khandesh).

Elsewhere : Myanmar, Sri Lanka.

14. *Monolepta orientalis* Jacoby, 1889

Distribution : Assam, Karnataka, Maharashtra (Mumbai, Nashik, Deolali), Tamil Nadu.

Elsewhere : Myanmar, Sri Lanka.

15. *Monolepta andrewesi* Jacoby, 1896

Distribution : Karnataka, Maharashtra.

16. *Monolepta signata* (Olivier, 1889)

Distribution : Arunachal Pradesh, Assam, Gujarat, Haryana, Karnataka, Kerala Maharashtra, Meghalaya, Orissa, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, West Bengal.

Elsewhere : Bangladesh, Bhutan, China, Hongkong, Myanmar, Nepal, Pakistan, Sri Lanka, Tibet, Vietnam.

Genus *Mimastra* Baly, 1865

17. *Mimastra scutellata* Jacoby, 1904

Distribution : Maharashtra (Igatpuri), Tamil Nadu (Nilgiri Hills).

Elsewhere : Myanmar.

Genus *Medythia* Jacoby, 1887

18. *Medythia nigrobilineata* (Motschulsky, 1981)

Distribution : Maharashtra, Orissa, Tamil Nadu, Uttar Pradesh, West Bengal.

Elsewhere : China, Japan, Korea.

Genus *Sphenoraira* Clark, 1865

19. *Sphenoraia (Sphenoraia) bicolor* (Hope, 1831)

Distribution : Andhra Pradesh, Assam, Himachal Pradesh, Kerala, Maharashtra, Meghalaya, Sikkim, Uttar Pradesh, West Bengal.

Elsewhere : Myanmar, Nepal.

Genus *Gallerucida* Motschulsky, 1860

20. *Gallerucida bicolor* (Hope, 1831)

Distribution : Himachal Pradesh, Maharashtra, Kerala, West Bengal (Darjeeling).

Elsewhere : Lower Myanmar, Nepal.

Genus *Palpoxena* Baly, 1861

21. *Palpoxena pilicornis* (Jacoby, 1896)

Distribution : Maharashtra.

Subfamily HISPINAE

Genus *Callispa* Baly, 1858

22. *Callispa duodecimmaculata* Chapuis,
1876

Distribution : Maharashtra (Bombay
Presidency).

Genus *Leptispa*, Baly, 1858

23. *Leptispa pygmaea* Baly, 1858

Distribution : Karnataka, Maharashtra (Pune),
Tamil Nadu.

Elsewhere : Sri Lanka.

Genus *Hispella* Chapuis, 1875

24. *Hispella brachycera* Gestro, 1897

Distribution : Assam, Himachal Pradesh,
Maharashtra (Nagpur), Tamil Nadu, West Bengal.

25. *Hispella stygia* Chapuis, 1877

Distribution : Maharashtra (Mumbai, Satara
dist., Nagpur).

Genus *Dactylispa* Weise, 1897

26. *Dactylispa filiola* Weise, 1897

Distribution : Maharashtra, Tamil Nadu (Nilgiri
Hills).

Elsewhere : Sri Lanka.

27. *Dactylispa nalika* Maulik, 1919

Distribution : India : Maharashtra (Mumbai,
Matheran); Tamil Nadu (Nilgiri Hills).

Genus *Hispa* Linnaeus, 1767

28. *Hispa pallescens* Guérin, 1841

Distribution : Maharashtra (Nagpur).

Genus *Platypria* Guérin, 1840

29. *Platypria andrewesi* Weise, 1906

Distribution : Gujarat (Surat), Madhya Pradesh
(Jabalpur), Maharashtra (Nagpur), Punjab, Tamil
Nadu.

30. *Leptispa pygmaea* Baly, 1858

Distribution : Karnataka, Maharashtra,
Meghalaya, Tamil Nadu.

Elsewhere : Sri Lanka.

Subfamily CHRYSOMELINAE

Genus *Chrysolina* Motschulsky, 1860

31. *Chrysolina fulvoaenea* Jacoby, 1900

Distribution : Maharashtra (Bombay, Pune).

32. *Chrysolina madrasae* Jacoby, 1900

Distribution : Karnataka (Coorg), Maharashtra
(Mumbai, Igatpuri), Tamil Nadu (Nilgiri Hills).

Subfamily HALTICINAE (= ALTICINAE)

Genus *Chaetocnema* Stephens, 1831

33. *Chaetocnema basalis* Bely, 1877

Distribution : Assam, Karnataka, Maharashtra
(Mumbai, Khandesh), Tamil Nadu (Nilgiri Hills).

Elsewhere : Myanmar, Sri Lanka.

34. *Chaetocnema belly* Jacoby, 1986

Distribution : Maharashtra (Mumbai,
Khandesh).

Genus *Ophridia*, Chapuis, 1875

35. *Ophridia hirsute* Stebbing, 1914

Distribution : Maharashtra (Pune, Bhamburda
Reserve Forest).

Genus *Luperomorpha* Weise, 1887

36. *Luperomorpha bombayensis* Jacoby,
1896

Distribution : Maharashtra (Mumbai).

Genus *Aphthona* Chevrolat, 1842

37. *Aphthona nigrilabris* Duvivier, 1892

Distribution : Assam, Bihar, Karnataka, Maharashtra, Meghalaya, Orissa, Uttar Pradesh West Bengal.

Elsewhere : Laos, Nepal, Sri Lanka, Sumatra, Vietnam.

38. *Aphthona huheli* Jacoby, 1900

Distribution : Maharashtra (Mumbai, Satara).

Genus *Phyllotreta* Stephens, 1839

39. *Phyllotreta downesi* Baly, 1877

Distribution : Maharashtra (Mumbai).

Elsewhere : Tenasserim.

40. *Xuthea orientalis* Baly, 1865

Distribution : Arunachal Pradesh, Assam, Himachal Pradesh, Maharashtra, Manipur Meghalaya, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal.

Elsewhere : Bangladesh, Bhutan, China, Myanmar, Nepal,

Subfamily CRIOCERINAE

Genus *Lema* Fabricius, 1798

41. *Lema flavimana* Jacoby, 1908

Distribution : Maharashtra (Mumbai).

42. *Lema subiridea* Jacoby, 1900

Distribution : Kerala, Maharashtra, Nilgiris.

Genus *Oulema* Des Gozis, 1886

43. *Oulema downesi* Baly, 1865

Distribution : Maharashtra, Malabar Coast, West Bengal,

Subfamily CLYTRINAE

Genus *Smaragdina* Chevrolat, 1837

44. *Smaragdina minuta* Jacoby, 1908

Distribution : Maharashtra, West Bengal.

Elsewhere : Myanmar, Sri Lanka.

45. *Smaragdina divisa* (Duvivier, 1889)

Distribution : Kerala, Maharashtra, Tamil Nadu, West Bengal.

Elsewhere : Myanmar, Sri Lanka.

Genus *Aetheomorpha* Lacord, 1848

46. *Aetheomorpha punctata* Jacoby 1895

Distribution : Karnataka, Maharashtra.

Genus *Pantocometis* Lacordaire, 1848

47. *Pantocometis downesi* Baly, 1865

Distribution : Maharashtra.

Genus *Clytra* Laicharting, 1781

48. *Clytra lefevrei* Jacoby, 1895

Distribution : Karnataka, Kerala, Maharashtra (Mumbai), Nilgiris, West Bengal.

Genus *Coptocephala* Chevrolate, 1837

49. *Coptocephala minuta* Jacoby, 1908

Distribution : Maharashtra (Mumbai), West Bengal.

50. *Coptocephala nair* Locordaire, 1848

Distribution : Kerala, Maharashtra, Tamil Nadu, Uttar Pradesh, West Bengal.

Subfamily CRYPTOCEPHALINAE

Genus *Cryptocephalus* Geoffroy, 1847

51. *Cryptocephalus angustomarginatus* Jacoby, 1903

Distribution : Karnataka, Maharashtra, Nilgiris.

52. *Cryptocephalus sandrocottus* Suffrain, 1854

Distribution : Maharashtra (Mumbai); Southern India.

53. *Cryptocephalus sehestedi* Jacoby, 1908

Distribution : Kerala, Maharashtra, Nilgiris, Orissa, Tamil Nadu, West Bengal.

Elsewhere : Sri Lanka.

54. *Cryptocephalus indicus* Suffrian, 1854

Distribution : Maharashtra (Mumbai); Southern India.

55. *Cryptocephalus guttifer* Suffrian, 1854

Distribution : Jammu and Kashmir, Maharashtra, Madhya Pradesh, Punjab, Uttar Pradesh.

Elsewhere : China

56. *Cryptocephalus senarius* Suffrian, 1860

Distribution : Karnataka, Maharashtra (Igatpuri).

Subfamily EUMOLPINAЕ

Genus *Nodina* Motschulsky, 1858

57. *Nodina indica* Jacoby, 1895

Distribution : Arunachal Pradesh, Karnataka, Maharashtra, West Bengal.

Genus *Colasposoma* de Laporte, 1833

58. *Colasposoma pretiosum* Baly, 1880

Distribution : Assam, Maharashtra, Meghalaya, Sikkim, Tamil Nadu, West Bengal.

Elsewhere : China, Myanmar, Sri Lanka, Vietnam.

59. *Colasposoma ornatum* Jacoby, 1881

Distribution : Maharashtra, West Bengal.

60. *Colasposoma mettalicum* Clark, 1865

Distribution : Andaman Islands, Maharashtra, Meghalaya, Orissa, West Bengal.

Elsewhere : China, Laos, Myanmar, Vietnam.

61. *Colasposoma caeruleatum* Baly, 1879

Distribution : Assam, Maharashtra.

Elsewhere : China, Myanmar, Sri Lanka.

62. *Colasposoma bicoloratum* Jacoby, 1908

Distribution : Maharashtra

Genus *Scelodonta* Westwood, 1837

63. *Scelodonta vittata* Olivier, 1808

Distribution : Andaman Islands, Bihar, Maharashtra, West Bengal.

Elsewhere : Cambodia, Laos, Thailand, Vietnam.

Genus *Neculla* Baly, 1863

64. *Neculla pollinaria* Baly, 1860

Distribution : Maharashtra.

Genus *Cleoporus* Lefèvre, 1884

65. *Cleoporus maculicollis* Jacoby, 1904

Distribution : Maharashtra (Khandesh).

Genus *Corynodes* Hope, 1840

66. *Corynodes amethystinus* Marshall, 1865

Distribution : Karnataka, Kerala, Maharashtra (Igatpuri), Nilgiri.

Genus *Heminodes* Jacoby, 1895

67. *Heminodes unicolor* Duvivier, 1908

Distribution : Karnataka, Maharashtra, West Bengal.

Elsewhere : Myanmar.

Genus *Pagria* Lefevre, 1884

68. *Pagria kanaraensis* (Jacoby, 1908)

Distribution : Karnataka, Maharashtra, Tripura, West Bengal.

SUMMARY

The present inventory of family Chrysomelidae of Maharashtra deals with 68 species under 39 genera and 8 subfamilies.

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