



Fauna of India Checklist

A CHECKLIST OF SCOLIIDAE (INSECTA: HYMENOPTERA: VESPOIDEA) OF INDIA

P. Girish Kumar and K. Rajmohana

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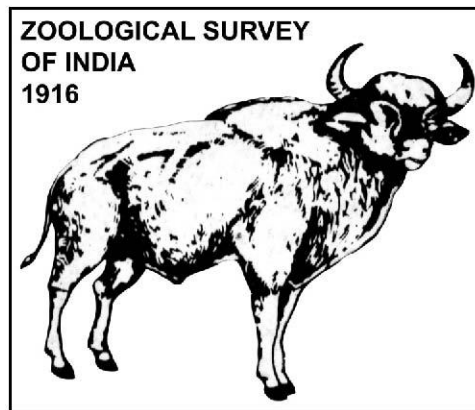
Scolia (Discolia) affinis Guerin

Zoological Survey of India

Prani Vigyan Bhawan, M-Block, New Alipore, Kolkata- 700 053

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Cover Photo: Female of *Scolia (Discolia) affinis* Guerin



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Checklist of Scoliidae (Insecta: Hymenoptera: Vespoidea) of India

P. Girish Kumar¹ and K. Rajmohana²

¹Western Ghats Regional Centre, Zoological Survey of India, Kozhikode, Kerala- 673 006, India. E-mail: kpgiris@gmail.com

²Zoological Survey of India, M-Block, New Alipore, Kolkata, West Bengal-700053, India. E-mail: mohana.skumar@gmail.com

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INTRODUCTION

The family Scoliidae is a group of fossorial aculeate wasps. All species are solitary. They are commonly known as hairy wasps. Adults are often predominantly black, commonly marked with yellow, white or red. Their wings are usually dark with metallic reflections. The vestiture varies from entirely black or black mixed with white to entirely golden or reddish. Size may vary in length from 5 mm to 35 mm, rarely upto 50 mm. Sexual dimorphism slight to moderate and even stronger. They are cosmopolitan in distribution but predominantly found in tropical region, containing about 300 species in two subfamilies: Proscoliinae and Scoliinae. The larvae are ectoparasitoides of the larvae of Coleoptera, usually Scarabaeoidea but rarely Curculionoidea.

Seventy nine species under 14 genera have been reported from India so far (Gupta and Jonathan, 2003; Girish Kumar, 2009; Schulten et al, 2011).



Fig: An adult male scoliid wasp *Campsomeriella (Annulimeris) annulata* (Fabricius)

CHECKLIST

Class Insecta
Order Hymenoptera
Superfamily Vespoidea
Family Scoliidae
Subfamily Scoliinae

I. Tribe Campsomerini

1. Genus *Colpacampsomeris* Betrem

1. *Colpacampsomeris indica* (de Saussure)

- (a). *Colpacampsomeris indica deccanensis* Gupta and Jonathan — India (Karnataka, Kerala, Maharashtra).
- (b). *Colpacampsomeris indica indica* (de Saussure) — India (Arunachal Pradesh, Chhattisgarh, Himachal Pradesh, Maharashtra, Meghalaya, Sikkim, Uttarakhand). *Elsewhere*: Bangladesh, Myanmar.

2. *Colpacampsomeris peterseni* Gupta and Jonathan — India (Karnataka).

2. Genus *Tristimeris* Betrem

3. *Tristimeris javana* (Lepeletier)

- (a). *Tristimeris javana albopilosa* Gupta and Jonathan — India (Andaman & Nicobar Islands).

3. Genus *Micromeriella* Betrem

4. *Micromeriella marginella* (Klug)

- (a). *Micromeriella marginella marginella* (Klug) — India (Andhra Pradesh, Bihar, Delhi, Diu, Gujarat, Jharkhand, Karnataka, Kerala, Maharashtra, Odisha, Pondicherry, Rajasthan, Tamil Nadu, Uttarakhand, Uttar Pradesh, West Bengal). *Elsewhere*: Sri Lanka.

4. Genus *Campsomeriella* Betrem

1. Subgenus *Campsomeriella* Betrem

5. *Campsomeriella (Campsomeriella) collaris* (Fabricius)

- (a). *Campsomeriella (Campsomeriella) collaris collaris* (Fabricius) — India (Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Goa, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Lakshadweep, Madhya Pradesh, Maharashtra, Meghalaya, Odisha, Rajasthan, Sikkim, Tamil Nadu, Telangana, Tripura, Uttarakhand, Uttar Pradesh, West Bengal). *Elsewhere*: Bhutan, Nepal, Sri Lanka.

- (b). *Campsomeriella (Campsomeriella) collaris insularis* Gupta and Jonathan — India (Andaman & Nicobar Islands).

6. *Campsomeriella (Campsomeriella) rajasthanensis* Gupta & Jonathan — India (Rajasthan).

7. *Campsomeriella (Campsomeriella) rubricata* (Nurse) — India (Gujarat). *Elsewhere*: Pakistan.

2. Subgenus *Annulimeris* Betrem

8. *Campsomeriella (Annulimeris) annulata* (Fabricius)

- (a). *Campsomeriella (Annulimeris) annulata annulata* (Fabricius) — India (Arunachal Pradesh, Assam, Bihar, Delhi, Himachal Pradesh, Jammu & Kashmir, Manipur, Meghalaya, Sikkim,

Tripura, Uttarakhand, Uttar Pradesh, West Bengal). *Elsewhere*: Bhutan, China, Indonesia, Japan, Korea, Malaysia, Myanmar, Nepal, Taiwan.

5. Genus *Bellimeris* Betrem

9. *Sericocampsomeris bella* (Bingham) — India (Assam). *Elsewhere*: Myanmar.

6. Genus *Sericocampsomeris* Betrem

10. *Sericocampsomeris flavomaculata* Gupta and Jonathan — India (Meghalaya). *Elsewhere*: Nepal.

11. *Sericocampsomeris rubromaculata* (Smith)

(a). *Sericocampsomeris rubromaculata rubromaculata* (Smith) — India (Arunachal Pradesh, Bihar, Sikkim). *Elsewhere*: China, Indonesia, Malaysia, Myanmar, Vietnam.

12. *Sericocampsomeris stygia* (Illiger)

(a). *Sericocampsomeris stygia stygia* (Illiger) — India (Assam, Sikkim, Tamil Nadu, Tripura, West Bengal). *Elsewhere*: Bangladesh, Bhutan, Indonesia, Malaysia, Myanmar.

7. Genus *Phalerimeris* Betrem

13. *Phalerimeris lantschneri* (Dalla-Torre) — India (Andaman & Nicobar Islands).

14. *Phalerimeris madurensis* (Betrem) — India (Karnataka, Kerala, Maharashtra, Tamil Nadu).

15. *Phalerimeris phalerata* (de Saussure)

(a). *Phalerimeris phalerata phalerata* (de Saussure) — India (Arunachal Pradesh, Assam, Himachal Pradesh, Jharkhand, Meghalaya, Mizoram, Sikkim, Tripura, Uttarakhand, Uttar Pradesh, West Bengal). *Elsewhere*: Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Taiwan, Thailand.

(b). *Phalerimeris phalerata turneri* (Betrem) — India (Andaman & Nicobar Islands, Karnataka, Kerala, Pondicherry, Tamil Nadu). *Elsewhere*: Sri Lanka.

8. Genus *Megacampsomeris* Betrem

16. *Megacampsomeris asiatica* (de Saussure)

(b). *Megacampsomeris asiatica deccanensis* Gupta and Jonathan — India (Karnataka, Kerala and Tamil Nadu).

(a). *Megacampsomeris asiatica himalayana* (Betrem) — India (Himachal Pradesh, Meghalaya, Sikkim, Uttarakhand). *Elsewhere*: Bhutan; Nepal.

17. *Megacampsomeris binghami* (Betrem)

(a). *Megacampsomeris binghami khasiensis* (Betrem) — India (Delhi, Manipur, Meghalaya).

18. *Megacampsomeris cochinensis* (Betrem) — India (Karnataka, Kerala, Maharashtra and Tamil Nadu). *Elsewhere*: Bhutan.

19. *Megacampsomeris dehraensis* (Betrem) — India (Uttarakhand).

20. *Megacampsomeris grossiformis* (Betrem) — India (Meghalaya, Uttarakhand). *Elsewhere*: China.
21. *Megacampsomeris montanum* Gupta and Jonathan — India (Manipur). *Elsewhere*: Thailand.
22. *Megacampsomeris nigirensis* Gupta and Jonathan — India (Tamil Nadu).
23. *Megacampsomeris prismatica* (Smith) — India (Arunachal Pradesh, Delhi, Himachal Pradesh, Jammu & Kashmir, Manipur, Meghalaya, Nagaland, Odisha, Sikkim, Uttarakhand, West Bengal). *Elsewhere*: China, Indonesia, Japan, Korea, Malaysia, Myanmar, Nepal, Philippines, Taiwan.
24. *Megacampsomeris reticulata* (Cameron) — India (Andhra Pradesh, Delhi, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu).
25. *Megacampsomeris shillongensis* (Betrem) — India (Manipur, Meghalaya, Sikkim, Uttarakhand, West Bengal). *Elsewhere*: Bhutan, Myanmar, Nepal.

ZOOLOGICAL SURVEY
OF INDIA

II. Tribe Scoliini

9. Genus *Liacos* Guerin

26. *Liacos erythrosoma* (Burmeister)
- (a). *Liacos erythrosoma aurantiaca* Micha — India (Andaman & Nicobar Islands).
- (b). *Liacos erythrosoma erythrosoma* (Burmeister). — India (Arunachal Pradesh, Assam, Kerala, Manipur, Sikkim, West Bengal). *Elsewhere*: Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Thailand.
- (c). *Liacos erythrosoma fulvopieta* Cameron — India (Andaman & Nicobar Islands, West Bengal).

10. Genus *Carinoscolia* Betrem

27. *Carinoscolia bhamoensis* (Magretti) — India (Meghalaya, Sikkim). *Elsewhere*: Myanmar.
28. *Carinoscolia opalina* (Smith)
- (a). *Carinoscolia opalina opalina* (Smith) — India (Sikkim). *Elsewhere*: Indonesia, Malaysia, Myanmar.

11. Genus *Microscolia* Betrem

29. *Microscolia hydrocephala* (Micha) — India (Kerala). *Elsewhere*: Sri Lanka.
30. *Microscolia khasiana* (Betrem) — India (Meghalaya).
31. *Microscolia nicobarensis* Gupta and Jonathan — India (Andaman & Nicobar Islands).
32. *Microscolia tyranthina* (Kirby) — India (Andaman & Nicobar Islands).

12. Genus *Austroscolia* Betrem

33. *Austroscolia nudata* (Smith) — India (Assam, Himachal Pradesh, Karnataka, Odisha, Rajasthan, Tamil Nadu, Uttarakhand, West Bengal). *Elsewhere*: Bangladesh, Myanmar, Nepal.
34. *Austroscolia ruficeps* (Smith)
- (a). *Austroscolia ruficeps ruficeps* (Smith) — India (Karnataka, Manipur, Sikkim, West Bengal). *Elsewhere*: Indonesia, Malaysia, Myanmar.
- (b). *Austroscolia ruficeps cupreoviolacea* (Micha) — India (Andaman & Nicobar Islands).

13. Genus *Megascolia* Betrem

1. Subgenus *Megascolia* Betrem

35. *Megascolia (Megascolia) procer* (Illiger)
- (a). *Megascolia (Megascolia) procer procer* (Illiger) — India (Arunachal Pradesh). *Elsewhere*: Indonesia, Malaysia, Myanmar, Singapore, Thailand.

2. Subgenus *Regiscolia* Betrem & Bradley

36. *Megascolia (Regiscolia) almoraensis* Gupta & Jonathan — India (Uttarakhand).
37. *Megascolia (Regiscolia) azurea* (Christ)
- (a). *Megascolia (Regiscolia) azurea christiana* (Betrem & Guiglia) — India (Andaman Islands, Arunachal Pradesh, Assam, Himachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Sikkim, Tripura, Uttarakhand, West Bengal). *Elsewhere*: Bangladesh, Bhutan, Myanmar, Nepal.
- (b). *Megascolia (Regiscolia) azurea hindostana* (Micha) — India (Chhattisgarh, Karnataka, Kerala, Tamil Nadu). *Elsewhere*: Bhutan.
38. *Megascolia (Regiscolia) fulvifrons* (de Saussure) — India (Assam, Sikkim, West Bengal). *Elsewhere*: Bangladesh, Myanmar, Singapore.
39. *Megascolia (Regiscolia) rubida* (Gribodo) — India (Himachal Pradesh, Jammu & Kashmir). *Elsewhere*: Pakistan, Turkmenistan.

14. Genus *Scolia* Fabricius

1. Subgenus *Discolia* de Saussure

40. *Scolia (Discolia) affinis* Guerin — India (Arunachal Pradesh, Assam, Bihar, Chattisgarh, Delhi, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Nagaland, Orissa, Pondicherry, Sikkim, Tamil Nadu, Tripura, Uttarakhand, Uttar Pradesh, West Bengal). *Elsewhere*: Bangladesh, Myanmar, Nepal, Pakistan.
41. *Scolia (Discolia) bilunata* de Saussure — India (Chhattisgarh, Delhi, Jharkhand, Karnataka, Maharashtra, Manipur, Odisha, Punjab, Uttarakhand, Uttar Pradesh, Tamil Nadu). *Elsewhere*: Nepal, Sri Lanka.
42. *Scolia (Discolia) binotata* Fabricius

- (a). *Scolia (Discolia) binotata binotata* Fabricius — India (Andhra Pradesh, Arunachal Pradesh, Assam, Delhi, Diu, Himachal Pradesh, Karnataka, Kerala, Maharashtra, Manipur, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttarakhand, Uttar Pradesh, West Bengal). *Elsewhere*: Bhutan, Sri Lanka.
43. *Scolia (Discolia) carmichaeli* Betrem — India (Arunachal Pradesh, Sikkim, West Bengal).
44. *Scolia (Discolia) chumponi* Betrem
- (a). *Scolia (Discolia) chumponi wickwari* Krombein — India (Andaman & Nicobar Islands, Karnataka). *Elsewhere*: Sri Lanka.
45. *Scolia (Discolia) clypeata* Sickmann
- (a). *Scolia (Discolia) clypeata rufohirta* Betrem — India (Manipur, Meghalaya, Uttarakhand). *Elsewhere*: Bhutan, Nepal.
46. *Scolia (Discolia) coimbatorensis* Gupta and Jonathan — India (Karnataka, Tamil Nadu).
47. *Scolia (Discolia) cruenta* Klug — India (Bihar, Chhattisgarh, Delhi, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttarakhand, Uttar Pradesh, West Bengal).
48. *Scolia (Discolia) cyanipennis* Fabricius — India (Himachal Pradesh, Jammu & Kashmir, Jharkhand, Maharashtra, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal). *Elsewhere*: Sri Lanka.
49. *Scolia (Discolia) dehraensis* Betrem — India (Himachal Pradesh, Uttarakhand). *Elsewhere*: Bhutan.
50. *Scolia (Discolia) desidiosa* Bingham — India (Arunachal Pradesh, Assam, Sikkim, Uttarakhand, West Bengal). *Elsewhere*: Bhutan, Myanmar, Taiwan.
51. *Scolia (Discolia) elizabethae* Bingham — India (Meghalaya, Sikkim, West Bengal). *Elsewhere*: Bhutan, Myanmar.
52. *Scolia (Discolia) fasciatopunctata* Guerin
- (a). *Scolia (Discolia) fasciatopunctata dunensis* Betrem — India (Chhattisgarh, Delhi, Himachal Pradesh, Jharkhand, Maharashtra, Odisha, Uttarakhand, Uttar Pradesh, West Bengal). *Elsewhere*: Bhutan.
- (b). *Scolia (Discolia) fasciatopunctata fasciatopunctata* Guerin — India (Karnataka, Kerala, Tamil Nadu). *Elsewhere*: Sri Lanka.
53. *Scolia (Discolia) felderi* Betrem — India (Assam, Karnataka, Kerala, Meghalaya, Nagaland, Sikkim). *Elsewhere*: Myanmar.
54. *Scolia (Discolia) fichteli* Betrem — India (Andhra Pradesh, Arunachal Pradesh, Bihar, Delhi, Kerala, Meghalaya, Pondicherry, Punjab, West Bengal).
55. *Scolia (Discolia) formosicola* Betrem
- (a). *Scolia (Discolia) formosicola malaisei* Gupta and Jonathan — India (Meghalaya, Uttarakhand). *Elsewhere*: Myanmar, Thailand.

56. *Scolia (Discolia) gilgitensis* Betrem — India (Jammu & Kashmir).
57. *Scolia (Discolia) kamengensis* Gupta and Jonathan — India (Arunachal Pradesh). *Elsewhere:* Bhutan.
58. *Scolia (Discolia) kangraensis* Betrem — India (Himachal Pradesh, Karnataka, Uttarakhand).
59. *Scolia (Discolia) laeviceps* Smith — India (Sikkim). *Elsewhere:* China, Myanmar, Thailand.
60. *Scolia (Discolia) lebongensis* Betrem — India (West Bengal). *Elsewhere:* Malakka.
61. *Scolia (Discolia) mixta* (Fabricius) — India (Karnataka, Gujarat, Tamil Nadu).
62. *Scolia (Discolia) nobilis* de Saussure — India (Sikkim, West Bengal).
63. *Scolia (Discolia) picteti* de Saussure — India (Karnataka, Kerala, Odisha, Tamil Nadu).
Elsewhere: Sri Lanka.
64. *Scolia (Discolia) pila* Nurse — India (Gujarat, Rajasthan). *Elsewhere:* Pakistan.
65. *Scolia (Discolia) pseudosinensis* Betrem — India (Karnataka, Kerala, Tamil Nadu).
66. *Scolia (Discolia) quadripustulata* Fabricius — India (Karnataka, Kerala, Meghalaya, Sikkim, Tamil Nadu, Uttarakhand, West Bengal). *Elsewhere:* Sri Lanka.
67. *Scolia (Discolia) rubrosinuata* Betrem — India (Andhra Pradesh, Gujarat, Karnataka, West Bengal).
68. *Scolia (Discolia) rugifrons* Betrem — India (Arunachal Pradesh, Meghalaya, Sikkim). *Elsewhere:* Bhutan, Myanmar.
69. *Scolia (Discolia) sikkimensis* Bingham — India (Meghalaya, Sikkim, West Bengal). *Elsewhere:* Bhutan, Nepal.
70. *Scolia (Discolia) sinensis* de Saussure — India (Jammu & Kashmir). *Elsewhere:* China, Korea, Pakistan, Tadzikistan.
71. *Scolia (Discolia) stizus* de Saussure — India (Karnataka, Tamil Nadu).
72. *Scolia (Discolia) superciliaris* de Saussure
(a). *Scolia (Discolia) superciliaris staudingeri* Betrem — India (Assam, Meghalaya, Uttarakhand).
Elsewhere: China, Myanmar, Nepal, Taiwan, Vietnam.
73. *Scolia (Discolia) suratensis* Betrem — India (Gujarat).
74. *Scolia (Discolia) trivandrumensis* Betrem — India (Kerala). *Elsewhere:* Sri Lanka.
75. *Scolia (Discolia) venusta* Smith — India (Himachal Pradesh, Sikkim, Uttarakhand, West Bengal).
Elsewhere: Bhutan, Myanmar, Nepal.
76. *Scolia (Discolia) vivida* Smith — India (Gujarat, Tamil Nadu).
77. *Scolia (Discolia) vollenhoveni* de Saussure
(a). *Scolia (Discolia) vollenhoveni vollenhoveni* de Saussure — India (West Bengal). *Elsewhere:* Indonesia, Malaysia, Malakka.
78. *Scolia (Discolia) wagneri* Betrem — India (Himachal Pradesh, Karnataka, Sikkim, Uttarakhand, West Bengal).
79. *Scolia (Discolia) watanabei* (Matsumura)

(a) *Scolia (Discolia) watanabei kempfi* Betrem — India (Assam). *Elsewhere*: Myanmar.

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