

## CHECKLIST OF OSTRACODA FROM INDIA-1. CENOZOIC OSTRACODA (MARINE)

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### ABSTRACT

360 ostracod taxa, ranging in age from the Paleocene to Recent, have been listed along with their geographical and geological distribution in India.

### INTRODUCTION

The beginning of ostracod study in India was made more than a hundred years ago but it was only from 1960 onwards that sustained efforts have been made in this direction. Bhatia, Guha and McKenzie in McKenzie (1971) brought out the first complete check list of ostracoda from India, Pakistan and Sri Lanka (Ceylon). A lot of work has been done on the marine as well as fresh water ostracoda of Mesozoic—Recent age from India during the seventies. It was, therefore, felt that a revised and up-to-date check list would serve a useful purpose for those interested in ostracods. For obvious reasons, references to the occurrences of ostracods in the neighbouring Pakistan, Sri Lanka and Burma have not been included.

The present check list is proposed to be divided into three parts. Part I deals with the marine Cenozoic ostracoda. Marine Mesozoic and Palaeozoic ostracods will be included in part II. The fresh water ostracods will be dealt with in part III.

In the check list the ostracod taxa have been listed alphabetically. The known geological and geographical distribution in India, original and subsequent references have been given. However, only those papers that have given figures and/or description of the ostracod taxa have been taken into consideration.

### HISTORICAL REVIEW

As stated earlier, the foundations of the ostracod study in India were laid with the publication of three papers in 1960. These are by Bhatia and Mandwal (1960) on the Lower Miocene ostracoda of Surat-Broach area (Gujarat); Lubimova, Guha and Mohan (1960) on the Tertiary ostracoda of Kutch; and by Tewari and Tandon (1960) also on the Tertiary ostracoda of Kutch. Subsequent contributions on the Tertiary ostracods from the Cambay, Kutch and Saurashtra regions of Gujarat are by Guha (1961 *et seq.*), Tewari and Bhargava (1968) and Khosla (1978). The Tertiary ostracods from

Rajasthan have been studied by Singh and Misra (1968), Khosla (1968, 1972) and Mangain and Chatterjee (1977). The marine Tertiary rocks of the Jammu and Simla areas in the Western Himalaya and Meghalaya in the east have yielded only a few ostracod taxa and these have been described by Tewari and Singh (1967); Mathur (1969); Srivastava (1968) and Sharma (1972). The ostracods from the Tertiary beds of the east coast of India have been studied by Rajagopalan (1962); Guha, Mohan, Kumar, Iyengar, and Raju (1965); Guha (1968c); Guha and Shukla (1973); Jain (1978b) and Bhalla (1979 a, b; 1980). The rich ostracod fauna from the Andaman Islands has been described by Guha (1968) and Singh, Vimal and Kurlle (1972); of Bombay off-shore by Guha (1975) and of Quilon beds, Kerala, by Guha and Rao (1976). There are only four papers dealing with the Recent ostracods from the Indian coastal waters. These are by Honappa (1975); Jain (1976; 1978a) and Bhatia and Kumar (1979). Besides these, casual references on the Cenozoic ostracods of India are found in Gramman (1975); Maddocks (1969); and Siddiqui (1971).

### THE CHECK LIST

Genus *Acanthocythereis* HOWE, 1963

*Acanthocythereis bhujensis* (TEWARI & TANDON)

*Trachyleberis* ? *bhujensis* TEWARI & TANDON, 1960, p. 155, text-fig. 6, fig. 3a-b.

*Acanthocythereis bhujensis* (TEWARI & TANDON). Guha, 1968b, p. 91, pl. 1, fig. 22, 25, 28.

Age : Lower-Middle Eocene.

Distribution : Gujarat.

*Acanthocythereis* sp.

*Acanthocythereis* sp. Guha, 1971, p. 20, pl. 1, fig. 6-7.

Age : Upper Eocene.

Distribution : Gujarat.

Genus *Actinocythereis* PURI, 1953

*Actinocythereis grekoffi* GUHA

*Actinocythereis grekoffi* GUHA, 1971, p. 19, pl. 1, fig. 8, 11.

Age : Upper Eocene.

Distribution : Gujarat.

- Actinocythereis gujaratensis* TEWARI & TANDON  
*Actinocythereis gujaratensis* TEWARI & TANDON, 1960, p. 154, text-fig. 3, fig. 1a-b ; Tewari & Bhargava, 1968, p. 29, pl. 2, fig. 5a-b.  
 Age : Oligocene—Lower Miocene.  
 Distribution : Gujarat.
- Actinocythereis indica* RAJAGOPALAN  
*Actinocythereis indica* RAJAGOPALAN, 1962, p. 65, pl. 3, fig. 7-8.  
 Age : Upper Paleocene.  
 Distribution : Pondicherry.
- Actinocythereis levinsoni* (BHATIA & MANDWAL)  
*Actinocythereis levinsoni* BHATIA AND MANDWAL, 1960, p. 241, pl. 41, fig. 5a-b; Guha, 1974, p. 171.  
 Age : Lower Eocene—Lower Miocene.  
 Distribution : Gujarat.
- Actinocythereis scutigera* (BRADY)  
*Trachyleberis (Actinocythereis) scutigera* (BRADY). Gramman, 1975, p. 13, pl. 5, fig. 2.  
*Actinocythereis scutigera* (BRADY). Jain, 1978a, p. 105, fig. 3E.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Actinocythereis tumefaciens* (LUBIMOVA & GUHA)  
*Trachyleberis tumefacientis* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 36, pl. 3, fig. 4.  
*Actinocythereis tumefacientis* (LUBIMOVA & GUHA). Guha, 1961, p. 4, fig. 7, 11, 18 ; Guha *et al.*, 1965, p. 3, pl. 3, fig. 11 ; Guha, 1967a ; Guha 1967b ; Guha 1975, p. 14 ; Guha & Rao, 1976, p. 92.  
*Actinocythereis tumefaciens* (LUBIMOVA & GUHA). Khosla, 1978, p. 266, pl. 4, fig. 1.  
 Age : Lower Eocene—Lower Miocene.  
 Distribution : Gujarat ; Bombay off-shore ; Kerala ; Tamil Nadu.
- Actinocythereis vinjhanensis* (TEWARI & TANDON)  
*Trachyleberis vinjhanensis* TEWARI & TANDON, 1960, p. 155, text-fig. 3, fig. 5a-b.  
*Actinocythereis vinjhanensis* (TEWARI & TANDON). Bhatia *et al.*, in McKenzie, 1971, p. 2.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Actinocythereis waioensis* TEWARI & TANDON  
*Actinocythereis waioensis* TEWARI & TANDON, 1960, p. 154, text-fig. 3, 2a-b.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Aglaiocypris* SYLVESTER-BRADLEY, 1947  
*Aglaiocypris* ? sp.  
*Aglaiocypris* ? sp. Khosla, 1978, p. 260, pl. 2, fig. 16.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Alocopocythere* SIDDIQUI, 1971  
*Alocopocythere fossularis* (LUBIMOVA & GUHA)  
*Trachyleberis fossularis* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 40, pl. 3, fig. 7.  
*Cytheretta cheropadiensis* TEWARI & TANDON, 1960, p. 159, text-fig. 5, fig. 4a-b.
- Cytheromorpha* sp. indet. Bhatia & Mandwal, 1960, p. 282, pl. 41, fig. 10.  
*Echinocythereis fossularis* (LUBIMOVA & GUHA). Guha, 1961, p. 4, fig. 5, 9 ; Guha *et al.*, 1965, p. 13, pl. 3, fig. 12 ; Guha 1974, p. 171 ; Guha, 1975, p. 14.  
*Echinocythereis cheropadiensis* (TEWARI & TANDON). Tewari & Singh, 1967, p. 125, pl. 3, fig. 2a-c.  
*Quadracythere fossularis* (LUBIMOVA & GUHA). Guha, 1968c, p. 215, pl. 2, fig. 20.  
*Trachyleberis* sp. Srivastava, 1968, p. 141, fig. 1-3.  
*Alocopocythere fossularis* (LUBIMOVA & GUHA). Siddiqui, 1971, p. 14 ; Guha & Rao, 1976, p. 92 ; Khosla, 1978, p. 266, pl. 4, fig. 2.  
 Age : Lower Eocene—Lower Miocene.  
 Distribution : Gujarat ; Bombay off-shore ; Kerala ; Tamil Nadu ; Meghalaya ; Jammu.
- Alocopocythere* sp. cf. *A. fossularis* (LUBIMOVA & GUHA)  
*Quadracythere* cf. *fossularis* (LUBIMOVA & GUHA). Guha, 1968 c, p. 216, pl. 1, fig. 7, 11.  
 Age : Pliocene—Pleistocene.  
 Distribution : Tamil Nadu.
- Alocopocythere gujaratensis* KHOSLA  
*Alocopocythere gujaratensis* KHOSLA, 1978, p. 267, pl. 4, fig. 3-4.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Alocopocythere reticulata indoaustratica* HARTMANN  
*Alocopocythere reticulata indoaustratica* HARTMANN. Jain, 1978, p. 107, fig. 3 G1-3; Bhatia & Kumar, 1979, p. 173, pl. 1, fig. 6.  
 Age : Recent.  
 Distribution : Mandvi, and off Karwar, West Coast of India.
- Genus *Anticythereis* BOLD, 1946  
*Anticythereis memorans* (LUBIMOVA & GUHA)  
*Trachyleberis memorans* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 38 pl. 3, fig. 5.  
*Quadracythere gautami* SINGH & MISRA, 1968, p. 30, pl. 8, fig. 1-3.  
*Trachyleberis deshpandei* SINGH & MISRA, 1968, p. 33, pl. 9, fig. 1-3.  
*Trachyleberis mathuri* SINGH & MISRA, 1968, p. 33, pl. 9, fig. 4-6.  
*Anticythereis memorans* (LUBIMOVA & GUHA). Khosla, 1968, p. 46, fig. 10 ; Khosla, 1972, p. 487, pl. 2, fig. 4 ; pl. 4, fig. 4.  
 Age : Lower—Middle Eocene.  
 Distribution : Gujarat, Rajasthan.
- Anticythereis memorans mudhensis* KHOSLA  
*Anticythereis memorans mudhensis* KHOSLA, 1972, p. 487, pl. 2, fig. 5-6 ; pl. 4, fig. 5 ; pl. 5, fig. 4.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Genus "Archicythereis" HOWE, 1936  
 "Archicythereis" *howei* KHOSLA  
 "Archicythereis" *howei* KHOSLA, 1972, p. 487, pl. 2, fig. 7-8 ; pl. 4, fig. 3.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- "Archicythereis" *pulchra* (LUBIMOVA & GUHA)  
*Cythereis pulcheris* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 35, pl. 2, fig. 3a-b.

- Archicythereis pulchra* (LUBIMOVA & GUHA). Khosla, 1978, p. 267, pl. 4, fig. 6 ; pl. 6, fig. 13.  
Age : Lower Miocene.  
Distribution : Gujarat.
- “*Archicythereis*” sp. A  
“*Archicythereis*” sp. A. Khosla, 1978, p. 267, pl. 4, fig. 8 ; pl. 6, fig. 12.  
Age : Lower Miocene.  
Distribution : Gujarat.
- “*Archicythereis*” ? sp. B  
“*Archicythereis*” ? sp. B. Khosla, 1978, p. 268, pl. 4, fig. 7.  
Age : Lower Miocene.  
Distribution : Gujarat.
- Genus *Argilloecia* SARS, 1866  
*Argilloecia* sp. 2  
*Argilloecia* sp. 2. Maddocks, 1969, p. 47, fig. 34, a, b, e, f.  
Age : Recent.  
Distribution : East Coast of India.
- Genus *Asymmetrythere* BASSIOUNI, 1971  
*Asymmetrythere mutata* (LUBIMOVA & GUHA)  
*Trachyleberis mutata* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 41, pl. 3, fig. 8-9.  
*Leguminocythereis mutata* (LUBIMOVA & GUHA). Guha, 1961, p. 3, fig. 17 ; Guha *et al.*, 1965, p. 3, pl. 3, fig. 16 ; Guha, 1968 c., p. 209, pl. 2, fig. 6.  
*Asymmetrythere mutata* (LUBIMOVA & GUHA). Gramman, 1975, p. 21, pl. 2, fig. 4.  
Age : Lower Miocene.  
Distribution : Gujarat, Tamil Nadu.
- Genus *Atjehella* KINGMA, 1948  
*Atjehella* sp. aff. *A. simplicata* KINGMA  
*Atjehella* sp. aff. *A. simplicata* KINGMA. Jain, 1978 a, p. 123, fig. 41.  
Age : Recent.  
Distribution : Mandvi, West Coast of India.
- Genus *Aurila* POKORNY, 1955  
*Aurila* sp. cf. *A. amygdala* (STEPHENSON)  
*Aurila* sp. cf. *A. amygdala* (STEPHENSON). Khosla, 1978, p. 262, pl. 3, fig. 5.  
Age : Lower Miocene.  
Distribution : Gujarat.
- Aurila cicatricosa* (REUSS)  
*Aurila cicatricosa* (REUSS). Bhatia & Mandwal, 1960, p. 282, pl. 41, fig. 8.  
Age : Lower Miocene.  
Distribution : Gujarat.
- Genus *Bairdia* MCCOY, 1844  
*Bairdia amygdaloides* BRADY  
*Bairdia amygdaloides* BRADY. Bhatia and Mandwal, 1960, p. 280, pl. 41, fig. 1.  
Age : Lower Miocene.  
Distribution : Gujarat.
- Bairdia antillea* BOLD  
*Baridia antillea* BOLD. Singh *et al.*, 1972, p. 293, fig.  
Age : Pliocene.  
Distribution : Andaman Islands.
- Bairdia beraguaensis* SINGH & TEWARI  
*Bairdia beraguaensis* SINGH & TEWARI, in Tewari & Singh, 1967, p. 119, pl. 1, fig. 4a-d ; Khosla, 1972, p. 481, pl. 3, fig. 8.  
Age : Lower-Middle Eocene.  
Distribution : Jammu ; Rajasthan.
- Bairdia gliberti* (KEIJ)  
*Bairdoppilata kalakotensis* SINGH & TEWARI, in Tewari & Singh, 1967, p. 120, pl. 1, fig. 1a-d.  
*Bairdia gliberti* (KEIJ). Khosla, 1972, p. 483, pl. 1, fig. 9.  
Age : Lower—Middle Eocene.  
Distribution : Jammu ; Rajasthan.
- Bairdia kirtharensis* TEWARI & TANDON  
*Bairdia?* *kirtharensis* TEWARI & TANDON, 1960, p. 149, text-fig. 1, fig. 4a-b.  
*Bairdia kirtharensis* TEWARI & BHARGAVA, 1968, p. 29, pl. 11, fig. 1-b, Khosla, 1972, p. 484, pl. 1, fig. 12 ; Mangain & Chatterjee, 1977, p. 44, pl. 7, fig. A,C.  
Age : Lower Eocene—Oligocene.  
Distribution : Gujarat ; Rajasthan.
- Bairdia koteswarensis* TEWARI & TANDON  
*Bairdia subdeltoidea koteswarensis* TEWARI & TANDON, 1960, p. 149, text-fig. 1, fig. 2a-b ; Guha, 1968b, p. 83.  
Age : Middle Eocene.  
Distribution : Gujarat.
- Bairdia kutchensis* KHOSLA, new name  
*Bairdia indica* TEWARI & TANDON, 1960, p. 148, text-fig. 1, fig. 1a-b (not *Nesidea indica* Doeglas).  
*Bairdia kutchensis* KHOSLA, new name, 1972, p. 483, pl. 1, fig. 10.  
Age : Middle Eocene.  
Distribution : Gujarat ; Rajasthan.
- Bairdia* sp. cf. *B. orientalis* (DOEGLAS)  
*Bairdia* cf. *orientalis* (DOEGLAS). Guha, 1968a, p. 59, pl. 5, fig. 4.  
Age : Middle—Upper Miocene.  
Distribution : Andaman Islands.
- Bairdia poddari* LUBIMOVA & MOHAN  
*Bairdoppilata poddari* LUBIMOVA & MOHAN, in Lubimova, Guha & Mohan, 1960, p. 21, pl. 2, fig. a-b ; Guha *et al.*, 1965, p. 13, pl. 3, fig. 9 ; Guha 1967a ; Guha, 1967b ; Guha, 1968 b, p. 83.  
*Bairdoppilata jaswanti* SINGH & MISRA, 1968, p. 36, pl. 10, fig. 9-10, pl. 11, fig. 1.  
*Bairdia poddari* (LUBIMOVA & MOHAN). Khosla, 1972, p. 484, pl. 1, fig. 12 ; Guha 1975, p. 13 ; Guha and Rao, 1976, p. 92 ; Mangain & Chatterjee, 1977, p. 44, pl. 8, fig. B,D.  
Age : Lower Eocene—Lower Miocene.  
Distribution : Rajasthan ; Gujarat ; Bombay Off-shore ; Kerala ; Tamil Nadu.
- Bairdia talukdari* GUHA & SHUKLA  
*Bairdia talukdari* GUHA & SHUKLA, 1973, p. 97, pl. 1, fig. 7, 10, 18.  
Age : Upper Paleocene—Lower Eocene.  
Distribution : Tamil Nadu.
- Bairdia* sp.  
*Bairdia* sp. Tewari & Tandon, 1960, p. 150, text-fig. 1, fig. 3a-c.  
Age : Middle Eocene.  
Distribution : Gujarat.

- "*Bairdia*" sp. indet.  
 "Bairdia" sp. indet. Jain, 1978 b. p. 53, pl. 1, fig. 4.  
 Age : Lower Eocene.  
 Distribution : Andhra Pradesh.  
 Genus *Bairdoppilata* CORYELL, SAMPLE & FIELDS,  
 1934
- Bairdoppilata* (*B.*) *alcyonicola* MADDOCKS  
*Bairdoppilata* (*Bairdoppilata*) *alcyonicola* MADDOCKS. Bhatia & Kumar,  
 1979, p. 173, pl. 3, fig. 5.  
 Age : Recent.  
 Distribution : Off Karwar, West Coast of India.
- Bairdoppilata rajnathi* TEWARI & TANDON  
*Bairdoppilata rajnathi* TEWARI & TANDON, 1960, p. 150, text-fig. 1,  
 fig. 5a-d ; Khosla 1978, p. 257, pl. 1, fig. 9.  
 Age : Lower Miocene.  
 Distribution : Gujarat ; Rajasthan.
- Bairdoppilata* sp. A  
*Bairdoppilata* sp. A. Khosla, 1978, p. 257, pl. 1, fig. 10.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Bairdoppilata* sp. B  
*Bairdoppilata* sp. B. Khosla, 1978, p. 258, pl. 1, fig. 11.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Bairdoppilata* sp. C  
*Bairdoppilata* sp. C. Khosla, 1978, p. 258, pl. 1, fig. 12.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Basslerites* HOWE, 1937  
*Basslerites liebawi* JAIN  
*Basslerites liebawi* JAIN, 1978 a, p. 116, fig. 4A 1-3 ; 6 L.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Basslerites* ? sp.  
*Basslerites* ? sp. Khosla, 1978, p. 268, p. 4, fig. 9.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Brachycythere* ALEXANDER, 1933  
*Brachycythere mckenziei* GUHA & SHUKLA  
*Brachycythere mckenziei* GUHA & SHUKLA, 1973, p. 99, pl. 1 fig. 5, 6, 17.  
 Age : Lower Eocene.  
 Distribution : Tamil Nadu.
- ? *Brachycythere* sp.  
 ? *Brachycythere* sp. Khosla, 1972, p. 488, pl. 2, fig. 3 ; pl. 4, fig. 6.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Genus *Bradleya* HORNIBROOK, 1952  
*Bradleya latebrosa* (LUBIMOVA & GUHA)  
*Cythereis latebrosa* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan,  
 1960, p. 34, pl. 3, fig. 2.  
*Bradleya latebrosa* (LUBIMOVA & GUHA). Guha, 1968c, p. 216, pl. 2,  
 fig. 19, 21 ; Guha, 1975, p. 14 ; Guha & Rao, 1976, p. 92.  
 Age : Oligocene—Lower Miocene.  
 Distribution : Gujarat ; Bombay off-shore ; Kerala ;  
 Tamil Nadu.
- Bradleya telisaensis* (LE ROY)  
*Bradleya dictyon* (BRADY). Guha, 1968a, p. 65, pl. 5, fig. 17, 18 [Not  
*Bradleya dictyon* (BRADY)].  
*Bradleya telisaensis* (LE ROY). Gramman, 1975, p. 11, pl. 1, fig. 3-5.  
 Age : Pliocene.  
 Distribution : Andaman Islands.
- ? *Bradleya* sp. indet.  
 ? *Bradleya* sp. indet. Bhatia & Mandwal, 1960, p. 281, pl. 41, fig. 6.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Buntonia* HOWE, 1935  
*Buntonia boldi* KHOSLA  
*Buntonia boldi* KHOSLA, 1972. p. 488, pl. 2, fig. 13-14 ; pl. 5, fig. 3.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Buntonia lubimovae* GUHA  
*Buntonia lubimovae* GUHA, 1971. p. 19, pl. 8, fig. 3, 10.  
 Age : Upper Eocene.  
 Distribution : Gujarat.
- Buntonia secedens* (LUBIMOVA & GUHA)  
*Cytheretta secedens* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan,  
 1960, p. 44, pl. 4, fig. 2a-b ; Guha, 1967a.  
*Buntonia secedens* (LUBIMOVA & GUHA). Khosla, 1978, p. 268, pl. 4,  
 fig. 16-17.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Bythoceratina* HORNIBROOK, 1952  
*Bythoceratina mandviensis* JAIN  
*Bythoceratina mandviensis* JAIN, 1978 a, p. 130, fig. 5K 1-3.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Genus *Bythocypris* BRADY, 1880  
*Bythocypris* sp. cf. *B.* ? *cancanaensis* (BOLD)  
*Bythocypris* sp. cf. *B.* ? *cancanaensis* (BOLD). Khosla, 1972, p. 484, pl. 1,  
 fig. 14.  
 Age : Middle Eocene.  
 Distribution : Rajasthan.
- Bythocypris elongata* MAMGAIN & CHATTERJEE  
*Bythocypris elongata* MAMGAIN & CHATTERJEE, 1977, p. 45, pl. 8, fig.  
 A, C.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Bythocypris guraensis* MAMGAIN & CHATTERJEE  
*Bythocypris guraensis* MAMGAIN & CHATTERJEE, 1977 p. 44, pl. 7,  
 fig. B, D.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Bythocypris kutchensis* GUHA  
*Bythocypris kutchensis* GUHA, 1974, p. 160, pl. 2, fig. 10-11.  
 Age : Lower Eocene.  
 Distribution : Gujarat.

- Bythocypris mianica* TEWARI & TANDON  
*Bythocypris mianica* TEWARI & TANDON, 1960, p. 150, text-fig. 2, fig. 1a-b, Guha, 1968b, p. 83 ; Khosla, 1972, p. 484, pl. 1, fig. 13.  
 Age : Middle Eocene.  
 Distribution : Gujarat ; Rajasthan.
- Bythocypris reniformis* BRADY  
*Bythocypris reniformis* BRADY. Guha, 1975, p. 17, pl. 1, fig. 1.  
 Age : Upper Oligocene—Middle Miocene.  
 Distribution : Bombay off-shore.
- Bythocypris westi* SINGH & TEWARI  
*Bythocypris westi* SINGH & TEWARI, in TEWARI & SINGH, 1967, p. 121, pl. 2, fig. 1a-d.  
 Age : Lower Eocene.  
 Distribution : Jammu.
- ?*Bythocypris* sp. indet.  
 ? *Bythocypris* sp. indet. Jain, 1978 b. p. 53, pl. 1, fig. 5.  
 Age : Lower Eocene.  
 Distribution : Andhra Pradesh.
- Bythocypris* sp. A  
*Bythocypris* sp. A. Jain, 1978 a, p. 94, fig. 2D.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Bythocypris* sp. B  
*Bythocypris* sp. B. Jain, 1978 a, p. 94, fig. 2E.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Genus *Bythocythere* SARS, 1866  
*Bythocythere kuenei* KEY  
*Bythocythere kuenei* KEY. Guha, 1968a. p. 63, pl. 5, fig. 2.  
 Age : Middle—Upper Miocene  
 Distribution : Andaman Islands.
- Genus *Callistocythere* RUGGIERI, 1953  
*Callistocythere* sp. cf. *C. flavidofusca intricatoides* (RUGGIERI)  
*Callistocythere* sp. cf. *C. flavidofusca intricatoides* (RUGGIERI). Jain, 1978a, p. 94, fig. 2I 1-2.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Genus *Carinocythereis* RUGGIERI, 1956  
 Subgenus *Carinocythereis* RUGGIERI, 1956  
*Carinocythereis (C.) batei* JAIN  
*Carinocythereis (C.) batei* JAIN, 1978a., p. 108, fig. 3 I 1-5 ; 6 H.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Carinocythereis (C.) hamata* (KINGMA, not Mueller)  
*Trachyleberis hamata* (MULLER) Guha, 1968c, p. 214, pl. 1, fig. 9.  
*Carinocythereis (C.) hamata* (KINGMA). Bhatia & Kumar, 1979, p. 173, pl. 2, fig. 5.  
 Age : Pliocene—Recent.  
 Distribution : Tamil Nadu ; Off Karwar, West Coast of India.
- Carinocythereis (C.)* sp. cf. *(C.) hamata* (KINGMA)  
*Carinocythereis (B.)* sp. cf. *C. (C.) hamata* (KINGMA). Jain, 1978a, p. 108, fig. 3 H.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Subgenus *Tandonella* JAIN, 1978  
*Carinocythereis (T.) indica* JAIN  
*Carinocythereis (T.) indica* JAIN, 1978 a, p. 110, fig. 3 J 1-3, 6I ; Bhatia and Kumar, 1979, p. 173, pl. 3, fig. 6.  
 Age : Recent.  
 Distribution : Mandvi and Off Karwar, West Coast of India.
- Genus *Caudites* CORYELL & FIELDS, 1937  
*Caudites gujaratensis* KHOSLA  
*Caudites gujaratensis* KHOSLA, 1978, p. 262, pl. 3, fig. 11-12.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Caudites javana* KINGMA  
*Caudites javana* KINGMA. Guha, 1968a, p. 64, pl. 5, fig. 13, 19 ; Jain, 1978a. p. 122, fig. 4F 1-3.  
 Age : Middle Miocene—Recent.  
 Distribution : Andaman Islands ; Mandvi, West Coast of India.
- Caudites* sp.  
*Caudites* sp. Singh et al., 1972, p. 293.  
 Age : Pliocene.  
 Distribution : Andaman Islands.
- ?*Caudites* sp.  
 ? *Caudites* sp. Jain, 1978a, p. 122, fig. 4 G 1-2.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Genus *Chrysoythere* RUGGIERI, 1961  
*Chrysoythere keiji* JAIN  
*Chrysoythere keiji* JAIN, 1978a. p. 113, fig. 3 L 1-2 ; 6 K ; Bhatia & Kumar, 1979, p. 173, pl. 3, fig. 6-8.  
 Age : Recent.  
 Distribution : Mandvi and Off Karwar, West Coast of India.
- Genus *Cletocythereis* SWAIN, 1963  
*Cletocythereis rastromarginata* (BRADY)  
*Cletocythereis rastromarginata* (BRADY). Guha, 1975, p. 19, pl. 1, fig. 17-18 ; Guha & Rao, 1976, p. 92 ; Khosla, 1978, p. 268, pl. 4, fig. 11.  
 Age : Upper Oligocene—Lower Miocene.  
 Distribution : Gujarat ; Bombay Off-shore ; Kerala.
- Genus *Clithrocytheridea* STEPHENSON, 1936  
*Clithrocytheridea manifesta* LUBIMOVA & GUHA  
*Clythrocytheridea manifesta* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 29, pl. 2, fig. 8a-b.  
*Clithrocytherides\* manifesta*, Guha, 1975, p. 14.  
 Age : Oligocene—Lower Miocene.  
 Distribution : Gujarat ; Bombay off-shore.
- Genus *Conchoecia* DANA, 1849  
*Conchoecia concentrica* MUELLER  
*Conchoecia concentrica* MUELLER. James, 1971.  
 Age : Recent.  
 Distribution : Laccadive Sea ; Southwest Coast of India.

\*Misspelled by the author

*Conchoecia porrecta* CLAUS*Conchoecia porrecta* CLAUS, JAMES, 1971.

Age : Recent.

Distribution : Laccadive Sea ; Southwest Coast of India.

Genus *Copytus* SKOGSBERG, 1939*Copytus* sp. cf. *C. rara* MCKENZIE*Copytus* sp. of *C. rara* Mckenzie. Jain, 1978 a, p. 105, fig. 3D 1-2.

Age : Recent.

Distribution : Mandvi West Coast of India.

Genus *Costa* NEVIANI, 1928*Costa cambayensis* GUHA*Costa cambayensis* GUHA, 1967b, p. 20, pl. 1, fig. 5, 11.

Age : Oligocene.

Distribution : Gujarat.

*Costa* sp. aff. *C. cambayensis* GUHA*Costa* aff. *cambayensis* GUHA, 1971, p. 20, pl. 1, fig. 2, 4, 12, 16.

Age : Upper Eocene.

Distribution : Gujarat.

Genus *Cuneocythere* LIENENKLAUS, 1894Subgenus *Monsmirabilia* APOSTOLESCU, 1955*Cuneocythere (M.) keiji* GUHA & SHUKLA*Cuneocythere (M.) keiji* GUHA & SHUKLA, 1973, p. 100, pl. 1, fig. 5, 15, 21.

Age : Upper Paleocene.

Distribution : Tamil Nadu.

*Cuneocythere (M.)* sp.*Cuneocythere (M.)* sp. Khosla, 1972, p. 486, pl. 1, fig. 16.

Age : Lower Eocene.

Distribution : Rajasthan.

Genus *Cushmanidea* BLAKE, 1933*Cushmanidea guhai* JAIN*Cushmanidea guhai* Jain, 1978a, p. 100, fig. 3A 1-4 ; 6 D.

Age : Recent.

Distribution : Mandvi, West Coast of India.

*Cushmanidea tewarii* KHOSLA*Cushmanidea tewarii* KHOSLA, 1972, p. 484, pl. 1, fig. 17-18 ; pl. 4 fig. 1.

Age : Lower Eocene.

Distribution : Rajasthan.

Genus *Cyprideis* JONES, 1857*Cyprideis mandviensis* JAIN*Cyprideis mandviensis* JAIN, 1978a, p. 98, fig. 2L 1-4 ; 6 B ; Jain, M. S.

Age : Upper Oligocene ; Recent.

Distribution : Gujarat ; Mandvi, West Coast of India.

Genus *Cytherella* JONES, 1849*Cytherella* sp. cf. *C. beyrichi* (REUSS)*Cytherella* cf. *beyrichi* (REUSS). Mamgain & Chatterjee, 1977, p. 48, pl. 9, fig. C-D.

Age : Lower Eocene.

Distribution : Rajasthan.

*Cytherella compressa* (MUNSTER)*Cytherella compressa* (MUNSTER). Bhatia & Mandwal, 1960, p. 282, pl. 41, fig. 12.

Age : Lower Miocene.

Distribution : Gujarat.

*Cytherella* sp. cf. *C. compressa* (MUNSTER)*Cytherella* cf. *compressa* (MUNSTER). Mamgain & Chatterjee, 1977 p. 48, pl. 9, fig. A-B.

Age : Lower Eocene.

Distribution : Rajasthan.

*Cytherella* sp. cf. *C. munsteri* (ROEMER)*Cytherella* sp. cf. *munsteri* (ROEMER). Jain, 1978 b, p. 52, pl. 1, fig. 1.

Age : Lower Eocene.

Distribution : Andhra Pradesh.

*Cytherella palanaensis* KHOSLA*Cytherella palanaensis* KHOSLA, 1972. p. 482, pl. 1, fig. 1-2 ; pl. 5, fig. 1.

Age : Lower Eocene.

Distribution : Rajasthan.

*Cytherella protuberans* LUBIMOVA & GUHA*Cytherella protuberans* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 17, pl. 1, fig. 3 ; Guha, 1965, p. 144, pl. 11, fig. 1 ; Guha *et al.*, 1965, p. 13, pl. 3, fig. 1 ; Guha 1968a, p. 210, pl. 1, fig. 1 ; Singh & Misra, 1967, p. 36, pl. 11, fig. 5-7 ; Srivastava, 1968, p. 141, fig. 4-6 ; Khosla, 1972, p. 483, pl. 1, fig. 3. *Cytherella protuberans* LUBIMOVA & GUHA. Khosla, 1978, p. 255, pl. 1, fig. 1.

Age : Lower Eocene—Lower Miocene.

Distribution : Gujarat ; Bombay off-shore ; Tamil Nadu ; Meghalaya.

*Cytherella rajasthanica* MAMGAIN & CHATTERJEE*Cytherella rajasthanica* MAMGAIN & CHATTERJEE, 1977, p. 48, pl. 9, fig. E, G.

Age : Lower Eocene.

Distribution : Rajasthan.

*Cytherella rajui* GUHA & SHUKLA*Cytherella rajui* GUHA & SHUKLA, 1973. p. 95, pl. 1, fig. 4, 19.

Age : Upper Paleocene—Lower Eocene.

Distribution : Tamil Nadu.

*Cytherella* sp. cf. *C. semitalis* BRADY*Cytherella* sp. cf. *C. semitalis* BRADY. Jain, 1978 a, p. 90, fig. 2A.

Age : Recent.

Distribution : Mandvi, West Coast of India.

*Cytherella tawaica* SINGH & TEWARI*Cytherella tawaica* SINGH & TEWARI, in Tewari & Singh, 1967, p. 127, pl. 2, fig. 3a-d ; Khosla, 1972, p. 482, pl. 1, fig. 4.

Age : Lower Eocene.

Distribution : Jammu ; Rajasthan.

*Cytherella* sp.*Cytherella* sp. Guha, 1965, p. 144, pl. 11, fig. 3.

Age : Oligocene.

Distribution : Gujarat.

*Cytherella* sp.*Cytherella* sp. Khosla, 1972, pl. 482, pl. 1, fig. 5.

Age : Lower Eocene.

Distribution : Rajasthan.

- Cytherella* sp. indet.  
*Cytherella* sp. indet. Tewari & Bhargava, 1968, p. 30, pl. 11, fig. 8 a, b.  
 Age : Oligocene.  
 Distribution : Gujarat.
- Cytherella* sp.  
*Cytherella* sp. Khosla, 1978, p. 256, pl. 1, fig. 2-3.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Cytherelloidea* ALEXANDER, 1929  
*Cytherelloidea cambayensis* GUHA  
*Cytherelloidea cambayensis* GUHA, 1965, p. 145, pl. 11, fig. 6, 8 ; text-fig. 2.  
 Age : Oligocene.  
 Distribution : Gujarat.
- Cytherelloidea chaasraensis* GUHA  
*Cytherelloidea chaasraensis* GUHA, 1961, p. 2, fig. 1 ; Guha 1975 ; p. 11 ; Khosla, 1978, p. 256, pl. 1, fig. 4.  
 Age : Middle Oligocene—Lower Miocene.  
 Distribution : Gujarat ; Bombay off-shore.
- Cytherelloidea cingulata* (BRADY)  
*Cytherelloidea cingulata* (BRADY). Guha, 1968a, p. 58, pl. 4, fig. 1.  
 Age : Middle—Upper Miocene.  
 Distribution : Andaman Islands.
- Cytherelloidea costatruncata* LUBIMOVA & MOHAN  
*Cytherelloidea costatruncata* LUBIMOVA & MOHAN, in Lubimova, Guha & Mohan, 1960, p. 20, Pl. 1, fig. 7.  
*Cytherelloidea barkhanensis* TEWARI & TANDON, 1960, p. 160, text-fig. 5, fig. 6a-b ; text-fig. 6, fig. 1.  
*Cytherelloidea* aff. *C. cingulata* BHATIA & MANDWAL, 1960, p. 283, pl. 41, fig. 14 a-b [not *Cytherelloidea cingulata* (Brady)].  
*Cytherelloidea costatruncata* LUBIMOVA & MOHAN. Guha, 1967 ; Guha, 1975, p. 14 ; Guha & Rao, 1976, p. 92 ; Khosla, 1978, p. 256, pl. 1, fig. 8.  
 Age : Oligocene—Lower Miocene.  
 Distribution : Gujarat ; Bombay off-shore ; Kerala.
- Cytherelloidea cutchensis* LUBIMOVA & GUHA  
*Cytherelloidea cutchensis* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 18, pl. 1, fig. 5a-b ; Guha, 1965, p. 146, pl. 11, fig. 11, 16 ; Guha *et al.*, 1965, p. 13, pl. 3, fig. 2 ; Guha, 1967a ; Guha 1968b, p. 210 pl. 1, fig. 2 ; Guha, 1975, p. 14 ; Guha & Rao, 1976, p. 93 ; Khosla, 1978, p. 257, pl. 1, fig. 5.  
 Age : Middle Eocene—Lower Miocene.  
 Distribution : Gujarat ; Bombay off-shore ; Kerala.
- Cytherelloidea guhai* KHOSLA  
*Cytherelloidea guhai* KHOSLA 1972, p. 483, pl. 1, fig. 6-7 ; pl. 5, fig. 2.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Cytherelloidea guzeratensis* GUHA  
*Cytherelloidea guzeratensis* GUHA, 1965 ; p. 146, pl. 11, fig. 7, 10, text-fig. 3.  
 Age : Middle—Upper Eocene.  
 Distribution : Gujarat.
- Cytherelloidea* sp. aff. *C. guzeratensis* GUHA  
*Cytherelloidea* sp. aff. *C. guzeratensis* GUHA, 1965, p. 147, pl. 11, fig. 17, text-fig. 4.  
 Age : Middle—Upper Eocene.  
 Distribution : Gujarat.
- Cytherelloidea insolens* LUBIMOVA & GUHA  
*Cytherelloidea insolens* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 19, pl. 1, fig. 6a-b ; Guha, 1965, p. 144, pl. 11, fig. 4, 9 ; Guha, 1967a ; Guha, 1968b, p. 83  
*Cytherelloidea insolens* LUBIMOVA & GUHA. Khosla, 1978, p. 257 pl. 1, fig. 6.  
 Age : Middle Eocene—Lower Miocene.  
 Distribution : Gujarat.
- Cytherelloidea* sp. cf. *C. keiji* MCKENZIE  
*Cytherelloidea bhatiaae* GUHA & SHUKLA, 1973, p. 96, p I, 11, fig. 10.  
*Cytherelloidea* sp. cf. *C. keiji* MCKENZIE. Jain, 1978b, p. 52, pl. 1, fig. 2, 3.  
 Age : Lower Eocene.  
 Distribution : Tamil Nadu ; Andhra Pradesh.
- Cytherelloidea lubimovae* GUHA & RAO  
*Cytherelloidea lubimovae* GUHA & RAO, 1976, p. 96, pl. 1, fig. 6, 7.  
 Age : Middle—Upper Miocene.  
 Distribution : Bombay off-shore.
- Cytherelloidea* sp. cf. *C. praecipua* BOLD  
*Cytherelloidea* sp. cf. *C. praecipua* BOLD. Khosla, 1978, p. 257, pl. 1, fig. 7.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Cytherelloidea* sp. aff. *C. tewarii* BOLD  
*Cytherelloidea* sp. aff. *C. tewarii* BOLD. Guha, 1965, p. 148, pl. 11, fig. 13, 14 ; Srivastava, 1968, p. 141, fig. 7.  
 Age : Middle—Upper Eocene.  
 Distribution : Gujarat ; Meghalaya.
- Cytherelloidea vridhachalamensis* GUHA & SHUKLA  
*Cytherelloidea vridhachalamensis* GUHA & SHUKLA, 1973, p. 96, pl. 1, fig. 9.  
 Age : Middle—Upper Paleocene.  
 Distribution : Tamil Nadu.
- ? *Cytherelloidea* sp.  
 ?*Cytherelloidea* sp. Mangain & Chatterjee, 1977, p. 49, pl. 9, fig. H.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Genus *Cytheretta* G. W. MUELLER, 1894  
*Cytheretta maddocksae* JAIN  
*Cytheretta maddocksae* JAIN, 1978a, p. 123, fig. 4H 1-4 ; 6 N.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Genus *Cytheridea* BOSQUET, 1852  
 ?“*Cytheridea*” sp. indet.  
 ?“*Cytheridea*” sp. indet. Jain, 1978b. p. 53, pl. 1, fig. 6.  
 Age : Lower Eocene.  
 Distribution : Andhra Pradesh.

- Genus *Cytheromorpha* HIRSCHMANN, 1901  
*Cytheromorpha kirtharensis* GUHA  
*Cytheromorpha kirtharensis* GUHA, 1968b, p. 84 pl. 1, fig. 5, 7, 19.  
Age : Middle Eocene.  
Distribution : Gujarat.
- Genus *Cytheropteron* SARS, 1866  
*Cytheropteron assimile* BRADY  
*Cytheropteron assimile* BRADY. Guha, 1968a, p. 62, pl. 5, fig. 5.  
Age : Pliocene.  
Distribution : Andaman Islands.
- Cytheropteron kutchensis* (GUHA)  
*Cytherura kutchensis* GUHA, 1968b, p. 87, pl. 1, fig. 17, 18, 21, 22.  
*Cytheropteron kutchensis* (GUHA). Guha, 1974, p. 172.  
Age : Middle Eocene.  
Distribution : Gujarat.
- Cytheropteron kutchensis minuta* GUHA  
*Cytheropteron kutchensis minuta* GUHA, 1974, p. 172, pl. 2, fig. 18.  
Age : Lower Eocene.  
Distribution : Gujarat.
- Cytheropteron patagoniense* ? BRADY  
*Cytheropteron patagoniense* ? BRADY. Guha, 1968 a, p. 62, pl. 4, fig. 7 ; pl. 5, fig. 6.  
Age : Middle—Upper Miocene ; Pliocene.  
Distribution : Andaman Islands.
- Cytheropteron* sp.  
*Cytheropteron* sp. Guha 1967 b p. 17, pl. 1.  
Age : Oligocene.  
Distribution : Gujarat.
- Cytheropteron* sp.  
*Cytheropteron* sp. Khosla, 1972, p. 493, pl. 3, fig. 13 ; pl. 4, fig. 18.  
Age : Lower Eocene.  
Distribution : Rajasthan.
- Genus *Cytherura* SARS, 1866  
*Cytherura interposita* LUBIMOVA & GUHA  
*Cytherura interposita* LUBIMOVA & GUHA, in Lubimova, Guha and Mohan, 1960, p. 51, pl. 4, fig. 9a-b, Guha *et al.*, 1965, p. 4, pl. 3, fig. 7.  
Age : Lower Miocene.  
Distribution : Gujarat ; Tamil Nadu.
- Cytherura sumatraensis* KINGMA  
*Cytherura sumatraensis* KINGMA. Guha, 1968c. p. 213, pl. 1, fig. 15.  
Age : Pleistocene.  
Distribution : Tamil Nadu.
- Cytherura* sp. indet.  
*Cytherura* sp. indet. Bhatia & Mandwal, 1960, p. 281, pl. 41, fig. 4.  
Age : Lower Miocene.  
Distribution : Gujarat.
- Cytherura* sp.  
*Cytherura* sp. Guha, 1967a .  
Age : Lower Miocene.  
Distribution : Gujarat.
- Cytherura* sp.  
*Cytherura* sp. Khosla, 1972, p. 493, pl. 2, fig. 27.  
Age : Lower Eocene.  
Distribution : Rajasthan.
- Genus *Echinocythereis* PURI, 1954  
Subgenus *Echinocythereis* PURI, 1954  
*Echinocythereis* (E.) *jaini* KHOSLA  
*Echinocythereis* (E.) *jaini* KHOSLA, 1972, p. 489, pl. 3, fig. 3-4 ; pl. 4, fig. 8.  
Age : Lower Eocene.  
Distribution : Rajasthan.
- Echinocythereis* (E.) *palanaensis* KHOSLA  
*Echinocythereis* (E.) *palanaensis* KHOSLA, 1972, p. 489, pl. 3, fig. 1-2 ; pl. 4, fig. 9.  
Age : Lower Eocene.  
Distribution : Rajasthan.
- Subgenus *Scelidocythereis* SIDDIQUI, 1971  
*Echinocythereis* (S.) *sahnii* (TEWARI & TANDON)  
*Hemicythere sahnii* TEWARI & TANDON, 1960, p. 157, text-fig. 4, fig. la-d ; Guha, 1968b, p. 83 ; Tewari & Bhargava, 1968, p. 29, pl. 11, fig. 2a-b ; Khosla, 1972, p. 493, pl. 2, fig. 26.  
*Echinocythereis* (S.) *sahnii* (TEWARI & TANDON) Siddiqui, 1971, p. 71.  
Age : Middle Eocene—Oligocene.  
Distribution : Gujarat ; Rajasthan.
- Genus *Eucythere* BRADY, 1868  
*Eucythere* sp.  
*Eucythere* sp. Guha, 1967a, p. 35, text-fig. 1-2.  
Age : Lower Miocene.  
Distribution : Gujarat.
- Genus *Eucytherura* G. W. MUELLER, 1894  
*Eucytherura boldi* GUHA & SHUKLA  
*Eucytherura boldi* GUHA & SHUKLA, 1973, p. 100, p. 1, fig. 14, 22.  
Age : Upper Palaeocene.  
Distribution : Tamil Nadu.
- Eucytherura complexa* (BRADY)  
*Eucytherura complexa* (BRADY). GUHA, 1968a, p. 62, pl. 5, fig. 8.  
Age : Pliocene.  
Distribution : Andaman Islands.
- Eucytherura vimali* (SINGH & MISRA)  
*Schizocythere vimali* SINGH & MISRA, 1968, p. 29, pl. 7, fig. 8-10  
*Eucytherura vimali* (SINGH & MISRA). KHOSLA, 1972, p. 494, pl. 3, fig. 12 ; pl. 4, fig. 16.  
Age : Lower Eocene.  
Distribution : Rajasthan.
- Genus *Flexus* NEVIANI, 1928  
*Flexus trifurcata* (LUBIMOVA & GUHA)  
*Cytheretta trifurcata* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 45, pl. 4, fig. 3 ; Guha, 1968c, p. 209, pl. 1, fig. 14, 18 ; Guha, 1975, p. 14.  
*Cytherelloidea* sp. indet. Bhatia & Mandwal, 1960, p. 283, pl. 41, fig. 13.  
*Cytherelloidea kathiawarensis* TEWARI & TANDON 1960, p. 160, text-fig. 5, fig. 5.



*Cytheretta (Flexus) trifurcata* (LUBIMOVA & GUHA). KHOSLA, 1978, p. 271, pl. 3, fig. 3-4.

Age : Upper Oligocene—Lower Miocene.

Distribution : Gujarat ; Tamil Nadu ; Bombay off-shore.

Genus *Gujaratella* KHOSLA, 1978

*Gujaratella bhandarii* KHOSLA

*Gujaratella bhandarii* KHOSLA, 1978, p. 263, pl. 3, fig. 19-20.

Age : Lower Miocene.

Distribution : Gujarat.

*Gujaratella boldi* KHOSLA

*Gujaratella boldi* KHOSLA, 1978, p. 263, pl. 3, fig. 17-18. pl. 6, fig. 14.

Age : Lower Miocene.

Distribution : Gujarat.

*Gujaratella* sp.

*Gujaratella* sp. KHOSLA, 1978, p. 264, pl. 3, fig. 21-22 ; pl. 6, fig. 15.

Age : Lower Miocene.

Distribution : Gujarat.

Genus *Gyrocythere* SIDDIQUI, 1971

*Gyrocythere siddiquii* KHOSLA

*Gyrocythere siddiquii* KHOSLA, 1978, p. 269, pl. 4, fig. 5.

Age : Lower Miocene.

Distribution : Gujarat.

Genus *Haplocytheridea* STEPHENSON, 1936

*Haplocytheridea keyseri* JAIN

*Haplocytheridea keyseri* JAIN, 1978a, p. 99, fig. 2M 1-5 ; 5 C.

Age : Recent.

Distribution : Mandvi, West Coast of India.

*Haplocytheridea ? saurashtrensis* TEWARI & TANDON

*Haplocytheridea saurashtrensis* TEWARI & TANDON, 1960, p. 152, text-fig. 6, fig. 4 a-c.

Age : Lower Miocene.

Distribution : Gujarat.

Genus *Havanardia* POKORNY, 1968

*Havanardia indica* KHOSLA

*Havanardia indica* KHOSLA, 1978, p. 258, pl. 2, fig. 1-3.

Age : Lower Miocene.

Distribution : Gujarat.

Genus *Hemicyprideis* MALZ & TRIEBEL, 1970

*Hemicyprideis autonoma* (LUBIMOVA & GUHA)

*Clythrocytheridea\* autonoma* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 28, pl. 2, fig. 7.

*Hemicyprideis autonoma* (LUBIMOVA & GUHA). KHOSLA, 1978, p. 271, pl. 2, fig. 13 ; pl. 6, fig. 6.

Age : Lower Miocene.

Distribution : Gujarat.

*Hemicyprideis kachharai* KHOSLA

*Hemicyprideis kachharai* KHOSLA, 1978, p. 272, pl. 3, fig. 1-2 ; pl. 6, fig. 5.

Age : Lower Miocene.

Distribution : Gujarat.

*Hemicyprideis panti* KHOSLA

*Hemicyprideis panti* KHOSLA, 1978, p. 271, pl. 2, fig. 17 ; pl. 6, fig. 7.

Age : Lower Miocene.

Distribution : Gujarat.

Genus *Hemicythere* SARS, 1925

*Hemicythere cauveriensis* GUHA

*Hemicythere cauveriensis* GUHA, 1968c, p. 215, pl. 2, fig. 15-18.

Age : Lower Miocene.

Distribution : Tamil Nadu.

*Hemicythere packardi* (BRADY)

*Hemicythere packardi* (BRADY). Guha, 1968a, p. 65, pl. 5, fig. 15 ; Guha, 1975, p. 17, pl. 1, fig. 9.

Age : Pliocene.

Distribution : Bombay off-shore ; Andaman Islands.

Genus *Hemicytheridea* KINGMA, 1948

*Hemicytheridea paiki* JAIN

*Hemicytheridea paiki* JAIN, 1978a, p. 94, fig. 2F 1-4 ; 6 A.

Age : Recent.

Distribution : Mandvi, West Coast of India.

Genus *Hemicytherura* ELOFSON, 1941

*Hemicytherura* sp.

*Hemicytherura* sp. Jain 1978a. p. 127, fig. 5 E.

Age : Recent.

Distribution : Mandvi, West Coast of India.

Genus *Hemikrithe* BOLD, 1950

*Hemikrithe peterseni* JAIN

*Hemikrithe peterseni* JAIN, 1978a, p. 101, fig. 3B 1-2 ; 6 E.

Age : Recent.

Distribution : Mandvi, West Coast of India.

Genus *Henryhowella* PURI, 1957

Subgenus *Neohenryhowella* BHATIA & KUMAR, 1979

*Henryhowella (Neohenryhowella) hartmanni* (JAIN)

*Actinocythereis tumefactis* HONAPPA, 1975, p. 424, pl. 1, fig. 1-4 ; pl. 2, fig. 1-4 ; pl. 3, fig. 1-3 (not Lubimova & Guha).

*Henryhowella hartmanni* JAIN, 1978a, p. 106, fig. 3F 1-4 ; 6 G.

*Henryhowella (Neohenryhowella) hartmanni* (JAIN). Bhatia & Kumar, 1979, p. 174, pl. 3, fig. 1-3.

Age : Recent.

Distribution : Mandvi ; Mangalore and Karwar, off West Coast of India.

Genus *Hermanites* PURI, 1955

*Hermanites anastomosa* (RAJAGOPALAN)

*Cythereis anastomosa* RAJAGOPALAN, 1962, p. 65, pl. 3, fig. 9-11.

*Hermanites anastomosa* (RAJAGOPALAN). Guha & Shukla, 1973, p. 98.

Age : Middle Palaeocene—Lower Eocene.

Distribution : Pondicherry ; Tamil Nadu.

\*misspelled by the authors.

- Hermanites avadheshi* (SINGH & MISRA)  
*Cythereis avadheshi* SINGH & MISRA, 1968, p. 35, pl. 10., fig. 6-8.  
*Hermanites avadheshi* (SINGH & MISRA) Guha, 1974, p. 163.  
 Age : Lower Eocene.  
 Distribution : Rajasthan ; Gujarat.
- Hermanites* sp. cf. *H. cracens* SIDDIQUI  
*Hermanites* sp. cf. *H. cracens* SIDDIQUI Jain, 1978b, p. 54, p. 1, fig. 13 ;  
 pl. 2, fig. 1-2.  
 Age : Lower Eocene.  
 Distribution : Andhra Pradesh.
- Hermanites goeli* KHOSLA  
*Hermanites goeli* KHOSLA, 1972, p. 489, pl. 2, fig. 15-16 ; pl. 4,  
 fig. 14 ; pl. 5, fig. 5.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Hermanites indica* TEWARI & TANDON  
*Hermanites indica* TEWARI & TANDON, 1960, p. 158, text-fig. 4,  
 fig. 3 a-c.  
*Hermanites wadaii* SINGH & TEWARI, in Tewari & Singh, 1967, p. 125,  
 pl. 3, fig. 6 a-c.  
*Hermanites indica* TEWARI & TANDON. Guha, 1968b, p. 83.  
 Age : Lower—Middle Eocene.  
 Distribution : Gujarat ; Jammu.
- Hermanites mathuri* KHOSLA  
*Hermanites mathuri* KHOSLA, 1972, p. 490, pl. 2, fig. 17-18 ; pl. 4,  
 fig. 13 ; pl. 5, fig. 6.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Hermanites* sp. cf. *H. paijenborchianus* KEIJ  
*Hermanites* sp. cf. *H. paijenborchianus* KEIJ. Khosla, 1978, p. 269,  
 pl. 4, fig. 10.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Hermanites pondicherriensis* RAJAGOPALAN  
*Hermanites pondicherriensis* RAJAGOPALAN, 1962, p. 66 pl. 2, 3, fig. 1-6 ;  
 Guha & Shukla, 1973, p. 98.  
 Age : Upper Palaeocene—Lower Eocene.  
 Distribution : Pondicherry ; Tamil Nadu.
- Hermanites purii* TEWARI & TANDON  
*Hermania purii* TEWARI & TANDON, 1960, p. 158, text-fig. 5,  
 fig. 1 a-b.  
*Hermanites purii* TEWARI & TANDON. Guha, 1967a ; Tewari & Singh,  
 1967, p. 126, pl. 3, fig. 4 a-c ; Tewari & Bhargava, 1968,  
 p. 30, pl. 11, fig. 6 a-b ; Khosla, 1978, p. 269, pl. 4, fig. 14.  
 Age : Lower Eocene—Lower Miocene.  
 Distribution : Gujarat ; Jammu.
- Hermanites sastryi* BHALLA  
*Hermanites sastryi* BHALLA, 1980, p. 298, pl. 1, fig. 1-6.  
 Age : Lower Eocene.  
 Distribution : Andhra Pradesh.
- Hermanites ? tamulicus* (RAJAGOPALAN)  
*Cythereis tamulicus* RAJAGOPALAN, 1962, p. 66, pl. 3, fig. 12-15.  
 Age : Upper Paleocene.  
 Distribution : Pondicherry.
- Hermanites* sp. aff. *H. tschoppi* (BOLD)  
*Hermanites* aff. *H. haidingeri* (REUSS). Bhatia & Mandwal, 1960,  
 p. 282, pl. 41, fig. 7 a-b. [not *Hermanites haidingeri* (REUSS)].  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Hiltermannicythere* BASSOUNI, 1970  
*Hiltermannicythere* sp.  
*Hiltermannicythere* sp. Khosla, 1978, p. 269, pl. 4, fig. 12-13.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus Indet.  
 Indet. Genus B. sp.  
 Indet. Genus B sp. Jain, 1978a, p. 132, fig. 5 N.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Indet. Genus C sp.  
 Indet. Genus C sp. Jain, 1978a, p. 132, fig. 50.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Indet. Genus D. sp.  
 Indet. Genus D sp. Jain, 1978a, p. 132, fig. 5, P. 1-2.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Genus *Jainella* BHATIA & KUMAR, 1979  
*Jainella karwarensis* BHATIA & KUMAR  
*Jainella karwarensis* BHATIA & KUMAR, 1979, p. 157, pl. 2, fig. 6-8.  
 Age : Recent.  
 Distribution : Off Karwar, West Coast of India.
- Genus *Jugosocythereis* PURI, 1957  
*Jugosocythereis prava* (BAIRD)  
*Tracyleberis prava?* (BAIRD). Guha, 1968a, p. 65, pl. 5, fig. 16.  
 Age : Middle Upper—Miocene ; Pliocene.  
 Distribution : Andaman Islands.
- Jugosocythereis ?* sp.  
*Jugosocythereis ?* sp. TEWARI & TANDON, 1960, p. 156, text-fig. 3,  
 fig. 5.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Kalingella* JAIN, 1976  
*Kalingella mckenziei* JAIN  
*Kalingella mckenziei* JAIN, 1976, p. 131, pl. 2 I-K  
 Age : Recent.  
 Distribution : Chilka, East Coast of India.
- Genus *Kangarina* CORYELL & FIELDS, 1937  
*Kangarina abyssicola* (MUELLER)  
*Kangarina abyssicola* (MUELLER). Guha, 1968a, p. 62, pl. 4, fig.  
 14 ; Jain, 1978a, p. 128, fig. 5G 1-2.  
 Age : Middle—Upper Miocene ; Pliocene ; Recent.  
 Distribution : Andaman Islands ; Mandvi, West Coast  
 of India.

Genus *Keijella* RUGGIERI, 1967

*Keijella* ex grp. *darwini* (BRADY)

?*Leguminocythereis* sp. Jain, 1978a, p. 119, fig. 4 D1-4.

*Keijella* ex grp. *darwini* (BRADY). Bhatia & Kumar, 1979, p. 173, pl. 2, fig. 1-2.

Age : Recent.

Distribution : Mandvi, and Off Karwar, West Coast of India.

*Keijella nealei* JAIN

*Keijella nealei* JAIN, 1978a, p. 117, fig. 4B 1-3; 6M; Bhatia & Kumar, 1979, p. 173, pl. 2, fig. 1-2.

Age : Recent.

Distribution : Mandvi and Off Karwar, West Coast of India.

*Keijella oertlii* JAIN

*Keijella oertlii* JAIN, 1976, p. 132, pl. 2, G-H.

Age : Recent.

Distribution : Chilka, East Coast of India.

Genus *Kingmaina* KEIJ, 1957

*Kingmaina marhensis* (TEWARI & TANDON)

*Pterygocythereis marhensis* TEWARI & TANDON, 1960, p. 154. text-fig. 3, fig. 3a-c.

Age : Middle Eocene.

Distribution : Gujarat.

*Kingmaina sastrii* GUHA & SHUKLA

*Kingmaina sastrii* GUHA & SHUKLA, 1973, p. 99, pl. 2, fig. 4-7.

Age : Upper Palaeocene—Lower Eocene.

Distribution : Tamil Nadu.

Genus *Krithe* BRADY, CROSSKEY & ROBERTSON, 1874

*Krithe autochthona* LUBIMOVA & GUHA

*Krithe autochthona* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 25, pl. 2, fig. 4; Guha, 1968b, p. 83; Guha, 1968c, p. 213, pl. 2, fig. 2; Guha, 1974, p. 171; Guha, 1975, p. 14; Guha & Rao, 1976, p. 94, pl. 1, fig. 8; Khosla, 1978, p. 272, pl. 2, fig. 18-20; pl. 6, fig. 10.

Age : Lower Eocene—Lower Miocene.

Distribution : Gujarat; Bombay off-shore; Kerala; Tamil Nadu.

*Krithe bartonensis* (JONES)

*Krithe bartonensis* (JONES). Guha, 1968a, p. 3, pl. 5, fig. 3, 7; Khosla, 1972, p. 485, pl. 1, fig. 19.

Age : Lower Eocene; Pliocene.

Distribution : Andaman Islands; Rajasthan.

*Krithe* sp. cf. *K. cancuensis* BOLD

*Krithe* sp. cf. *K. cancuensis* BOLD. Khosla, 1972, p. 485, pl. 1, fig. 20.

Age : Lower Eocene.

Distribution : Rajasthan.

*Krithe indica* TEWARI & TANDON

*Krithe indica* TEWARI & TANDON, 1960, p. 152, text-fig. 2, fig. 5a-b; Tewari & Singh, 1967, p. 122, pl. 2, fig. 6a-d; Tewari & Bhargava, 1968, p. 29, pl. 11, fig. 4a-b; Khosla, 1972, p. 485, pl. 1, fig. 25.

Age : Lower Eocene—Oligocene.

Distribution : Gujarat; Rajasthan; Jammu.

*Krithe indica kutchensis* TEWARI & TANDON

*Krithe indica* var. *kutchensis* TEWARI & TANDON, 1960, p. 157, text-fig. 6, fig. 2a-b.

Age : Lower Miocene.

Distribution : Gujarat.

*Krithe kroemmelbeini* JAIN

*Krithe kroemmelbeini* JAIN, 1978a, p. 104, fig. 3C 1-3; 6F; Bhatia & Kumar, 1979, p. 173, pl. 3, fig. 4.

Age : Recent.

Distribution : Mandvi, and Off Karwar, West Coast of India.

*Krithe papillosa* (BOSQUET)

*Krithe papillosa* (BOSQUET). Bhatia & Mandwal, 1960, p. 282, pl. 41, fig. 11; Khosla, 1978, p. 273, pl. 2, fig. 21.

Age : Lower Miocene.

Distribution : Gujarat.

*Krithe* sp. cf. *K. papillosa* (BOSQUET)

*Krithe* sp. cf. *K. papillosa* (BOSQUET). Mangain & Chatterjee, 1977, p. 46, pl. 8, fig. E-F.

Age : Lower—Middle Eocene.

Distribution : Rajasthan.

*Krithe radiolata* EGGER

*Krithe radiolata* EGGER. Guha, 1975, p. 18, pl. 1, fig. 6.

Age : Upper Oligocene—Lower Miocene.

Distribution : Bombay off-shore.

*Krithe tumida* BRADY

*Krithe tumida* BRADY. Guha, 1968a, p. 64, pl. 5, fig. 11.

Age : Pliocene.

Distribution : Andaman Islands.

*Krithe* sp.

*Krithe* sp. Guha *et al.*, 1965, p. 4, pl. 3, fig. 6.

Age : Lower Miocene.

Distribution : Tamil Nadu.

*Krithe* sp.

*Krithe* sp. Mathur, 1969, p. 38, pl. 2, fig. 4, 4a, 5, 5a.

Age : Middle Eocene.

Distribution : Himachal Pradesh.

Genus *Lankacythere* BHATIA & KUMAR, 1979

*Lankacythere coralloides* (BRADY)

Indet. Genus A sp. Jain, 1978a, p. 119, fig. 5Q 1-4.

*Lankacythere coralloides* (BRADY). Bhatia & Kumar, 1979, p. 176, pl. 1, fig. 1-5.

Age : Recent.

Distribution : Mandvi and Off Karwar, West Coast of India.

Genus *Leguminocythereis* HOWE, 1936

*Leguminocythereis lunejensis* GUHA

*Leguminocythereis lunejensis* GUHA, 1967b, p. 21, pl. 1, fig. 3, 6, 8.

*Jawaharia indica* SINGH & MISRA, 1968, p. 27, pl. 7, fig. 1-4.

*Leguminocythereis brahmi* SINGH & MISRA, 1968, p. 28, pl. 7, fig. 5-7.

*Leguminocythereis lunejensis* GUHA. Mathur, 1969, p. 37, pl. 2, fig. 1-1a; Khosla, 1972, p. 490, pl. 2, fig. 9; pl. 4, fig. 7.

Age : Lower Eocene—Lower Oligocene.

Distribution : Gujarat; Himachal Pradesh; Rajasthan.

? *Leguminocythereis papuensis* (BRADY)? *Leguminocythereis papuensis* (BRADY). Jain 1978a, p. 118, fig. 4 Cl-3.

Age : Recent.

Distribution : Mandvi, West Coast of India.

*Leguminocythereis* sp.*Leguminocythereis* sp. Mathur, 1969, p. 37, pl. 2, fig. 2, 2a.

Age : Middle Eocene.

Distribution : Himachal Pradesh.

Genus *Leptocythere* SARS, 1928*Leptocythere affinis* LUBIMOVA & MOHAN*Leptocythere affinis* LUBIMOVA & MOHAN, in Lubimova, Guha & Mohan 1960, p. 26, pl. 2, fig. 5a-b ; Guha, 1967a ; Guha, 1975, p. 14, pl. 1, fig. 7.

Age : Lower Miocene.

Distribution : Gujarat ; Bombay off-shore.

*Leptocythere chadopadiensis* LUBIMOVA & GUHA*Leptocythere chadopadiensis* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 27, pl. 2, fig. 6a-b ; Guha, 1967 a ; Khosla, 1978, p. 262, pl. 2, fig. 12.

Age : Lower Miocene.

Distribution : Gujarat.

*Leptocythere ? inconspicua* (BRADY)*Leptocythere inconspicua* (BRADY). Guha, 1968a p. 60, pl. 4, fig. 10.

Age : Middle—Upper Miocene ; Pliocene.

Distribution : Andaman Islands.

Genus *Limnocythere* BRADY, 1868*Limnocythere* sp. indet.*Limnocythere* sp. indet. Jain, 1978 b, p. 54, pl. 2, fig. 3-5.

Age : Lower Eocene.

Distribution : Andhra Pradesh.

Genus *Loxococoncha* SARS, 1866*Loxococoncha alata* BRADY*Loxococoncha alata* BRADY. Guha, 1968a, p. 61, pl. 5, fig. 5, 13 ; Guha, 1975, p. 18, pl. 1, fig. 11, 21.

Age : Upper Oligocene—Pliocene.

Distribution : Andaman Islands ; Bombay off-shore.

*Loxococoncha* sp. cf. *L. alata* BRADY*Loxococoncha* sp. cf. *L. alata* BRADY. Khosla, 1978, p. 275, pl. 5, fig. 12-13.

Age : Lower Miocene.

Distribution : Gujarat.

*Loxococoncha confinis* (LUBIMOVA & GUHA)*Cytheropteron confinis* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 52, pl. 4, fig. 10 ; Guha, 1967a ; Guha, 1968c, p. 213, pl. 1, fig. 3.*Loxococoncha confinis* (LUBIMOVA & GUHA). Guha, 1974, p. 174 ; Guha, 1975, p. 14 ; Guha & Rao, 1976, p. 92 ; Khosla, 1978, p. 275, pl. 5, fig. 11.

Age : Lower—Middle Miocene.

Distribution : Gujarat ; Bombay off-shore ; Kerala ; Tamil Nadu.

*Loxococoncha gruendeli* JAIN*Loxococoncha gruendeli* JAIN, 1978a, p. 124, fig. 4 J 1-3.

Age : Recent.

Distribution : Mandvi, West Coast of India.

*Loxococoncha lilljeborchi* BRADY*Loxococoncha lilljeborchi* BRADY. Guha, 1968a, p. 61, pl. 4, fig. 20.

Age : Middle—Upper Miocene ; Pliocene.

Distribution : Andaman Islands.

*Loxococoncha mandviensis* JAIN*Loxococoncha mandviensis* JAIN, 1978a, p. 125, fig. 4K 1-2 ; 60 ; Bhatia & Kumar, 1979, p. 174, pl. 1, fig. 8.

Age : Recent.

Distribution : Mandvi and Off Karwar, West Coast of India.

*Loxococoncha megapora indica* JAIN*Loxococoncha megapora indica* JAIN, 1978a, p. 126, fig. 4L 1-2 ; 6P.

Age : Recent.

Distribution : Mandvi, West Coast of India.

*Loxococoncha nystiana* (BOSQUET)*Loxococoncha nystiana* (BOSQUET). Mamgain & Chatterjee, 1977, p. 46, pl. 10, fig. A-C.

Age : Lower—Middle Eocene.

Distribution : Rajasthan.

*Loxococoncha palanaensis* MAMGAIN & CHATTERJEE*Loxococoncha palanaensis* MAMGAIN & CHATTERJEE, 1977, p. 47, pl. 19, fig. D-F.

Age : Lower Eocene.

Distribution : Rajasthan.

*Loxococoncha punctatella* (REUSS)*Loxococoncha punctatella* (REUSS). Bhatia & Mandwal, 1960, p. 282, pl. 41, fig. 9.

Age : Lower Miocene.

Distribution : Gujarat.

*Loxococoncha tewarii* JAIN*Loxococoncha tewarii* JAIN, 1976, p. 129, pl. 1 E-F ; pl. 2, E-F.

Age : Recent.

Distribution : Chilka, East Coast of India.

*Loxococoncha* sp. A*Loxococoncha* sp. A Jain, 1978a, p. 126, fig. 5A.

Age : Recent.

Distribution : Mandvi, West Coast of India.

*Loxococoncha* sp. B*Loxococoncha* sp. B Jain, 1978a, p. 126, fig. 5B.

Age : Recent.

Distribution : Mandvi, West Coast of India.

*Loxococoncha* sp. C? *Loxococoncha* sp. C Jain, 1978a, p. 127, fig. 5 C.

Age : Recent.

Distribution : Mandvi, West Coast of India.

- Loxococoncha* sp. indet.  
*Loxococoncha* sp. indet. Jain, 1978b, p. 56, pl. 2, fig. 6-7.  
 Age : Lower Eocene.  
 Distribution : Andhra Pradesh.
- Loxococoncha* sp.  
*Loxococoncha* sp. Singh, Vimal & Kulve, 1972, p. 293, fig.  
 Age : Lower Pliocene.  
 Distribution : Andaman Islands.
- Genus *Loxococonchella* TRIEBEL, 1954  
*Loxococonchella anomala* (BRADY)  
*Loxococonchella anomala* (BRADY). Jain, 1978a, p. 127, fig. 5 D.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Loxococonchella honoluliensis* (BRADY)  
*Loxococonchella honoluliensis* (BRADY). Guha, 1968a, p. 61, pl. 4, fig. 21 ; pl. 5, fig. 12 ; Guha, 1975, p. 19, pl. 1, fig. 16.  
 Age : Upper Oligocene—Upper Miocene.  
 Distribution : Andaman Islands ; Bombay off-shore.
- Genus *Loxocorniculum* BENSON & COLEMAN, 1963  
*Loxocorniculum gujaratensis* KHOSLA  
*Loxocorniculum gujaratensis* KHOSLA, 1978, p. 275, pl. 5, fig. 18-19 ; pl. 6, fig. 3.  
 Age : Lower Miocene.  
 Distribution : Rajasthan.
- Genus *Macrocypris* SARS, 1923  
*Macrocypris amitai* MAMGAIN & CHATTERJEE  
*Macrocypris amitai* MAMGAIN & CHATTERJEE, 1977, p. 45, pl. 7, fig. F. G.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Macrocypris decora* (BRADY)  
*Macrocypris decora* (BRADY). Khosla, 1978, p. 262, pl. 2, fig. 14.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Miocyprideis* KOLLMANN, 1960  
*Miocyprideis chaudhuryi* (LUBIMOVA & GUHA)  
*Miocyprideis chaudhuryi* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 30, pl. 11, fig. 9.  
*Miocyprideis chaudhuryi* (LUBIMOVA & GUHA). Guha, 1961, p. 2, text-fig. 3, 19 ; Guha, 1965, p. 4, pl. 3, fig. 4 ; Guha, 1968c, p. 212, pl. 1, fig. 13, 24 ; Guha, 1975, p. 15 ; Guha, and Rao, 1976, p. 92 ; Khosla, 1978, p. 273, pl. 2, fig. 11 ; pl. 6, fig. 8.  
 Age : Oligocene—Lower Miocene.  
 Distribution : Gujarat ; Bombay off-shore ; Kerala, Tamil Nadu.
- Miocyprideis lubimovae* KHOSLA  
*Miocyprideis lubimovae* KHOSLA, 1978, p. 273, pl. 2, fig. 14-15 ; pl. 6, fig. 9.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Miocyprideis ? spinulosa* (BRADY)  
*Clithrocytheridea spinulosa* (BRADY). Guha, 1968c, p. 212, pl. 1, fig. 9, 11, 12.
- Miocyprideis ? spinulosa* (BRADY). Bhatia *et al.* in McKenzie, 1971, p. 38.  
 Age : Pliocene—Pleistocene.  
 Distribution : Tamil Nadu.
- Miocyprideis thirukkaruwensis* GUHA & RAO  
*Miocyprideis thirukkaruwensis* GUHA & RAO, 1976, p. 94, pl. 1, fig. 2-4.  
 Age : Lower Miocene.  
 Distribution : Kerala.
- Genus *Mutilus* NEVIANI, 1928  
*Mutilus* sp.  
*Mutilus* sp. Jain, 1978a, p. 122, fig. 4E 1-2.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Genus *Neocyprideis* APOSTOLESCU, 1956  
*Neocyprideis bhupendri* (SINGH & MISRA)  
*Schulredia bhupendri* SINGH & MISRA, 1968, p. 32, pl. 8, fig. 7-9.  
*Neocyprideis bhupendri* (SINGH & MISRA). Khosla, 1972, p. 486, pl. 1, fig. 15 ; pl. 4, fig. 2.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Genus *Neocytheridea* RAJAGOPALAN, 1962  
*Neocytheridea inflata* RAJAGOPALAN  
*Neocytheridea inflata* RAJAGOPALAN, 1962, p. 67, pl. 4, fig. 20-24.  
 Age : Lower Eocene.  
 Distribution : Pondicherry.
- Genus *Neomonoceratina* KINGMA, 1948  
*Neomonoceratina* sp. cf. *N. delicata* ISHIZAKI & KATO  
*Neomonoceratina* sp. cf. *N. delicata* ISHIZAKI & KATO. Jain, 1978a, p. 95, fig. 2G 1-2 ; Bhatia & Kumar, 1979, p. 173, pl. 1, fig. 7.  
 Age : Recent.  
 Distribution : Mandvi and off Karwar, West Coast of India.
- Neomonoceratina gajensis* GUHA  
*Neomonoceratina gajensis* GUHA, 1974, p. 169, pl. 1, fig. 16 ; pl. 2, fig. 15 ; Guha & Rao, 1976 p., 92 ; Khosla, 1978, p. 273, pl. 5, fig. 16, 17.  
 Age : Lower Miocene.  
 Distribution : Gujarat ; Kerala.
- Neomonoceratina koenigswaldi* KEY  
*Neomonoceratina koenigswaldi* KEY. Guha, 1975, p. 18, pl. 1, fig. 14, 15.  
 Age : Lower Miocene.  
 Distribution : Bombay off-shore.
- Neomonoceratina kutchensis* GUHA  
*Neomonoceratina kutchensis* GUHA, 1961, p. 3, fig. 12, 14, 18 ; Guha, 1968c, p. 213, pl. 11, fig. 1 ; Guha, 1975, p. 14 ; Guha & Rao, 1976, p. 92 ; Khosla, 1978, p. 274, pl. 5, fig. 15.  
 Age : Lower Miocene.  
 Distribution : Gujarat ; Bombay off-shore ; Tamil Nadu ; Kerala.
- Neomonoceratina microreticulata* KINGMA  
*Neomonoceratina microreticulata* KINGMA. Guha, 1968a, p. 63, pl. 4, fig. 9, 14 ; Guha, 1968c, p. 213, pl. 1, fig. 21-23 ; Guha, 1975,

- p. 18, pl. 1, fig. 20; Guha & Rao, 1976, p. 92; Jain, 1976, p. 130, pl. 2, A-D.  
*Age*: Oligocene—Recent.  
*Distribution*: Andaman Islands; Bombay off-shore; Kerala; Tamil Nadu; Chilka, East Coast of India.
- Neomonoceratina oertlii* GUHA  
*Neomonoceratina oertlii* GUHA, 1967b, p. 35, text-fig. 1; Guha, 1974, p. 158.  
*Neomonoceratina* sp. cf. *N. oertlii* GUHA, 1975, p. 18, pl. 1, fig. 13, 19.  
*Neomonoceratina oertlii* GUHA. Khosla 1978, p. 274, pl. 5., fig. 14.  
*Age*: Upper Oligocene—Lower Miocene.  
*Distribution*: Bombay off-shore; Gujarat.
- Genus Neonesidea* MADDOCKS, 1969  
*Neonesidea guildertonensis* HARTMANN  
*Neonesidea guildertonensis* HARTMANN. Jain, 1978a, p. 91, fig. 2B 1-3.  
*Age*: Recent.  
*Distribution*: Mandvi, West Coast of India.
- Neonesidea* sp.  
*Neonesidea* sp. Jain 1978a, p. 91, fig. 2C 1-3.  
*Age*: Recent.  
*Distribution*: Mandvi, West Coast of India.
- Neonesidea* sp.  
*Neonesidea* sp. Khosla, 1978, p. 258, pl. 1, fig. 13.  
*Age*: Lower Miocene.  
*Distribution*: Gujarat.
- Genus Nigeroloxoconcha* REYMENT, 1963  
 ? *Nigeroloxoconcha* sp.  
 ? *Nigeroloxoconcha* sp. Khosla, 1972, p. 495, pl. 3, fig. 20.  
*Age*: Lower Eocene.  
*Distribution*: Rajasthan.
- Genus Occultocythereis* HOWE, 1951  
*Occultocythereis boldi* GUHA  
*Occultocythereis boldi* GUHA, 1967b, p. 17, pl. 1, fig.  
*Age*: Oligocene.  
*Distribution*: Gujarat.
- Occultocythereis elongatum* BHALLA  
*Occultocythereis elongatum* BHALLA, 1979b, p. 146, fig. 1 A-D.  
*Age*: Lower Eocene.  
*Distribution*: Andhra Pradesh.
- Occultocythereis khoslai* GUHA  
*Occultocythereis khoslai* GUHA, 1974, p. 165, pl. 2, fig. 6, 7.  
*Age*: Lower Eocene.  
*Distribution*: Gujarat.
- Occultocythereis lauta* (BRADY)  
*Occultocythereis lauta* (BRADY). Guha, 1968a, p. 60, pl. 4, fig. 16; Khosla, 1978, p. 270, pl. 4, fig. 15.  
*Age*: Lower Miocene—Pliocene.  
*Distribution*: Andaman Islands; Gujarat.
- Occultocythereis mithali* KHOSLA  
*Occultocythereis mithali* KHOSLA 1972, p. 491, pl. 2, fig. 19-20; pl. 5, fig. 7.  
*Age*: Lower Eocene.  
*Distribution*: Rajasthan.
- Occultocythereis subspinelloso* KHOSLA  
*Occultocythereis subspinelloso* KHOSLA, 1972, p. 491, pl. 2, fig. 21-22; pl. 4, fig. 11; pl. 5, fig. 8.  
*Age*: Lower Eocene.  
*Distribution*: Rajasthan.
- Genus Orionina* PURI, 1954  
*Orionina* sp. cf. *O. flabellacosta* HOLDEN  
*Orionina* sp. cf. *O. flabellacosta* HOLDEN. Khosla, 1978, p. 264, pl. 3, fig. 23.  
*Age*: Lower Miocene.  
*Distribution*: Gujarat.
- Genus Orthonotacythere* ALEXANDER, 1933  
*Orthonotacythere kutchensis* GUHA  
*Orthonotacythere kutchensis* GUHA, 1974, p. 169, pl. 2, fig. 18, 25.  
*Age*: Lower Eocene.  
*Distribution*: Gujarat.
- Genus Ovocytheridea* GREKOFF, 1951  
*Ovocytheridea cambayensis* GUHA  
*Ovocytheridea cambayensis* GUHA, 1974, p. 167, pl. 1, fig. 7, 13, 15; pl. 2, fig. 1, 12, 16.  
*Age*: Lower Eocene.  
*Distribution*: Gujarat.
- Ovocytheridea raoi* JAIN  
*Ovocytheridea raoi* JAIN, 1978b, p. 53, pl. 1, fig. 7-10.  
*Age*: Lower Eocene.  
*Distribution*: Andhra Pradesh.
- Genus Paijenborchella* KINGMA, 1948  
*Subgenus Eupaijenborchella* KEIJ, 1966  
*Paijenborchella (E.) assamiensis* SHARMA  
*Paijenborchella assamiensis* SHARMA, 1972, p. 131, pl. 1, fig. 3, 4.  
*Age*: Middle Eocene.  
*Distribution*: Meghalaya.
- Paijenborchella (E.)* sp. cf. *P. eocaenica* TRIEBEL  
*Paijenborchella (Eupaijenborchella)\** sp. cf. *P. eocaenica* TRIEBEL. Khosla, 1972, p. 494, pl. 3, fig. 18.  
*Age*: Middle Eocene.  
*Distribution*: Rajasthan.
- Paijenborchella (E.) indica* KHOSLA  
*Paijenborchella (Eupaijenborchella)\* indica* KHOSLA, 1972, p. 494, pl. 3, fig. 14, 15; pl. 5, fig. 11.  
*Age*: Lower Eocene.  
*Distribution*: Rajasthan.
- Paijenborchella (E.) indigena* SHARMA  
*Paijenborchella indigena* SHARMA, 1972, p. 130, pl. 1, fig. 1, 2.  
*Age*: Middle Eocene.  
*Distribution*: Meghalaya.
- Paijenborchella (E.) malaiensis* KINGMA  
*Paijenborchella malaiensis* KINGMA. Guha, 1968a, p. 62, pl. 4 fig. 11.  
*Age*: Middle—Upper Miocene; Pliocene.  
*Distribution*: Andaman Islands.

\*misspelled by the author.

- Paijenborchella (E.) mohani* KHOSLA  
*Paijenborchella (Eupaijenborchella) \*mohani* KHOSLA, 1972, p. 494, pl. 3, fig. 16-17; pl. 5, fig. 12.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Paijenborchella (E.) nareadiensis* GUHA  
*Paijenborchella (Eupaijenborchella) nareadiensis* GUHA, 1974, p. 170, pl. 2, fig. 2, 3, 7.  
 Age : Lower Eocene.  
 Distribution : Gujarat.
- Paijenborchella (E.) prona* LUBIMOVA & GUHA  
*Paijenborchella prona* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 43, pl. 4, fig. 1a-b; Guha, 1968c, p. 213, pl. 2, fig. 4; Guha, 1975, p. 14; Guha, & Rao, 1976, p. 92.  
*Paijenborchella boldi* TEWARI & TANDON, 1960, p. 159, text-fig. 5, fig. 2a-b.  
*Paijenborchella (Eupaijenborchella) \* prona* LUBIMOVA & GUHA. Khosla, 1978, p. 274, pl. 5, fig. 8.  
 Age : Lower Miocene.  
 Distribution : Gujarat; Bombay off-shore; Kerala; Tamil Nadu.
- Paijenborchella (E.) royi* KHOSLA  
*Paijenborchella (Eupaijenborchella) \* royi* KHOSLA, 1978, p. 274, pl. 5, fig. 9-10.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Paijenborchella (E.) swaraswatiæ* SHARMA  
*Paijenborchella swaraswatiæ* SHARMA, 1972, p. 132, pl. 1, fig. 5-8.  
 Age : Upper Eocene.  
 Distribution : Meghalaya.
- Paijenborchella (E.) tewarii* GUHA  
*Paijenborchella tewarii* GUHA, 1971, p. 18, pl., fig. 1, 5, 15, 17.  
 Age : Upper Eocene.  
 Distribution : Gujarat.
- Paijenborchella (Eupaijenborchella) sp.*  
*Paijenborchella (Eupaijenborchella) \* sp.* Khosla, 1972, p. 495, pl. 3, fig. 19.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Subgenus *Paijenborchella* KINGMA, 1948  
*Paijenborchella (P.) iocosa* KINGMA  
*Paijenborchella (P.) iocosa* KINGMA. Guha, 1968a, p. 63, pl. 5, fig. 14.  
 Age : Pliocene.  
 Distribution : Andaman Islands.
- Paijenborchella (P.) sp.*  
*Paijenborchella sp.* Mamgain & Chatterjee, 1977, p. 47, pl. 9, fig. F. I.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Genus *Paijenborchella* s. l.  
 “*Paijenborchella*” *trisulcata* MANDELSTAM  
*Paijenborchella trisulcata* MANDELSTAM. Guha, 1968b, p. 88, pl. 1, fig. 9, 10, 15, 27.  
 Age : Middle Eocene.  
 Distribution : Gujarat.
- “*Paijenborchella*” sp.  
*Paijenborchella sp.* Jain, 1978a, p. 96, fig. 2 H.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Genus *Paijenborchellina* KUZNETSOVA, 1957  
*Paijenborchellina kutchensis* GUHA  
*Paijenborchellina kutchensis* GUHA, 1974, p. 172, pl. 2, fig. 13.  
 Age : Lower Eocene.  
 Distribution : Gujarat.
- Paijenborchellina sp.*  
*Paijenborchellina sp.* Jain, 1978a, p. 128, fig. 5F 1-3.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Genus *Paracypris* SARS  
*Paracypris cambayensis* GUHA  
*Paracypris cambayensis* GUHA, 1971, p. 17, pl. 1, fig. 13, 14.  
 Age : Upper Eocene.  
 Distribution : Gujarat.
- Paracypris contracta* (JONES)  
*Paracypris contracta* (JONES). Mamgain & Chatterjee, 1977, p. 46, pl. 7, fig. E, H.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Paracypris lakiensis* GUHA  
*Paracypris lakiensis* GUHA, 1974, p. 161, pl. 1, fig. 1, 2, 6.  
 Age : Lower Eocene.  
 Distribution : Gujarat.
- Paracypris pandyai* KHOSLA  
*Paracypris pandyai* KHOSLA, 1978, p. 261, pl. 2, fig. 8-9; pl. 6, fig. 4.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Paracypris wynnei* TEWARI & TANDON  
*Paracypris wynnei* TEWARI & TANDON, 1960, p. 151, text-fig. 2, fig. 2 a-b.  
 Age : Middle Eocene.  
 Distribution : Gujarat.
- ? *Paracypris sp. indet.*  
*Paracypris sp. indet.* Singh & Misra, 1968, p. 36, pl. 11, fig. 2-4.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Genus *Paracytheridea* G. W. MUELLER, 1894  
*Paracytheridea andamanensis* GUHA  
*Paracytheridea andamanensis* GUHA, 1968a, p. 59, pl. 4, fig. 4, 15.  
 Age : Middle—Upper Miocene; Pliocene.  
 Distribution : Andaman Islands.

\*Misspelled by the author.

*Paracytheridea eocenica* KHOSLA

*Paracytheridea eocenica* KHOSLA, 1972, p. 493, pl. 3, fig. 9, 10 ; pl. 4, fig. 17 ; pl. 5, fig. 10.

Age : Lower Eocene.

Distribution : Rajasthan.

*Paracytheridea* sp. cf. *P. (P.) gradata* (BOSQUET)

*Paracytheridea* sp. cf. *P. (P.) gradata* BOSQUET. Khosla, 1978, p. 275, pl. 5, fig. 7.

Age : Lower Miocene.

Distribution : Gujarat.

*Paracytheridea longicaudata* (BRADY)

*Paracytheridea longicaudata* (BRADY). Guha, 1968a, p. 60, pl. 4, fig. 8.

Age : Middle—Upper Miocene ; Pliocene.

Distribution : Andaman Islands.

*Paracytheridea perspicus* LUBIMOVA & GUHA

*Paracytheridea perspicua* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 50, pl. 4, fig. 8a-b ; Guha & Rao, 1976, p. 92 ; Khosla, 1978, p. 275, pl. 5, fig. 6.

*Paracytheridea misrai* TEWARI & TANDON, 1960, p. 153, text-fig. 2, fig. 4 a-c.

Age : Upper Oligocene—Lower Miocene.

Distribution : Gujarat ; Kerala.

*Paracytheridea sastrii* GUHA

*Paracytheridea sastrii* GUHA, 1974, p. 173, pl. 2, fig. 12, 24, 27.

Age : Lower Eocene.

Distribution : Gujarat.

*Paracytheridea tewarii* GUHA

*Paracytheridea tewarii* GUHA, 1974, p. 173, pl. 2, fig. 23, 26.

Age : Lower Eocene.

Distribution : Gujarat.

*Paracytheridea* sp. indet.

*Paracytheridea* sp. indet. Bhatia & Mandwal, 1960, p. 281, pl. 41, fig. 3 a, b.

Age : Lower Miocene.

Distribution : Gujarat.

Genus *Paracytheroïs* G. W. MUELLER, 1894*Paracytheroïs* sp. indet.

*Paracytheroïs* sp. indet. Jain, 1978a, p. 132, fig. 5M 1-2.

Age : Recent.

Distribution : Mandvi, West Coast of India.

Genus *Paradoxostoma* FISCHER, 1855*Paradoxostoma* sp.

*Paradoxostoma* sp. Jain, 1978a, p. 131, fig. 5L 1-2.

Age : Recent.

Distribution : Mandvi, West Coast of India.

Genus *Parakrithe* BOLD, 1972*Parakrithe pandei* KHOSLA

*Parakrithe pandei* KHOSLA, 1972, p. 485, pl. 2, fig. 24-25.

Age : Lower Eocene.

Distribution : Rajasthan.

Genus *Paranesidea* Maddocks, 1969*Paranesidea gajensis* KHOSLA

*Paranesidea gajensis* KHOSLA, 1978, p. 259 ; pl. 1, fig. 17-18.

Age : Lower Miocene.

Distribution : Gujarat.

*Paranesidea nandanaensis* KHOSLA

*Paranesidea nandanaensis* KHOSLA, 1978, p. 259, pl. 1, fig. 19-20.

Age : Lower Miocene.

Distribution : Gujarat.

*Paranesidea victrix* (BRADY)

*Bairdia victrix* BRADY. Guha, 1968a, p. 58, pl. 4, fig. 2.

Age : Pliocene.

Distribution : Andaman Islands.

Genus *Phlyctenophora* BRADY, 1880*Phlyctenophora bhatiai* JAIN

*Phlyctenophora bhatiai* JAIN, 1976, p. 127, pl. 1, A-D.

Age : Recent.

Distribution : Chilka, East Coast of India.

*Phlyctenophora chauhani* KHOSLA

*Phlyctenophora chauhani* KHOSLA, 1978, p. 261, pl. 2, fig. 5-6 ; pl. 6, fig. 2

Age : Lower Miocene.

Distribution : Gujarat.

*Phlyctenophora meridionalis* (LUBIMOVA & MOHAN)

*Paracypris meridionalis* LUBIMOVA & MOHAN, in Lubimova, Guha & Mohan 1960, p. 23, pl. 2, fig. 3 ; Guha, 1968c, p. 211, pl. 1, fig. 5.

*Paracypris gajensis* TEWARI & TANDON, 1960, p. 151, text-fig. 2, fig. 3a-b

*Phlyctenophora meridionalis* (LUBIMOVA & MOHAN). Khosla, 1978, p. 261, pl. 2, fig. 7 ; pl. 6, fig. 1.

Age : Lower Eocene—Lower Miocene.

Distribution : Gujarat ; Tamil Nadu.

*Phlyctenophora zealandica* BRADY

*Paracypris zealandica* (BRADY). Guha, 1968c, p. 211, pl. 1, fig. 8.

Age : Pleistocene.

Distribution : Tamil Nadu.

*Phlyctenophora* sp. cf. *P. zealandica* BRADY

*Phlyctenophora* sp. cf. *P. zealandica* BRADY. Jain, 1978a, p. 133, fig. 5 SL-2.

Age : Recent.

Distribution : Mandvi, West Coast of India.

Genus *Platella* CORYELL & FIELDS, 1937*Platella guzeratensis* GUHA

*Platella guzeratensis* GUHA, 1965, p. 144, pl. 11, fig. 2, 15 ; text-fig. 1.

Age : Middle—Upper Eocene.

Distribution : Gujarat.

Genus *Pokornyella* OERTLI, 1956*Pokornyella alata* KHOSLA

*Pokornyella alata* KHOSLA, 1978, p. 264, pl. 3, figs. 7-8.

Age : Lower Miocene.

Distribution : Gujarat.



- Pokornyyella chaasraensis* (LUBIMOVA & GUHA)  
*Trachyleberis chaasraensis* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan 1960, p. 39, pl. 3, figs. 6a-b.  
*Aurila chaasraensis* (LUBIMOVA & GUHA). Guha, 1961, p. 3, text-fig. 2, 4, 6; Guha *et al.*, 1965, p. 3, pl. 3, fig. 13; Guha, 1967a; Guha, 1968c, p. 214, pl. 2, fig. 14; Guha, 1974, p. 171; Guha 1975, p. 14; Guha and Rao, 1976, p. 92.  
*Hemicythere* aff. *amygdala* TEWARI & TANDON, 1960, p. 157, text-fig. 4, fig. 2a-b (not *Hemicythere amygdala* Stephenson, 1944).  
*Pokornyyella chaasraensis* (LUBIMOVA & GUHA). Khosla, 1978, p. 265, pl. 3, fig. 6, pl. 5, fig. 11.  
 Age : Middle Oligocene—Lower Miocene.  
 Distribution : Gujarat; Bombay off-shore; Tamil Nadu; Kerala.
- Pokornyyella pindarensis* KHOSLA  
*Pokornyyella pindarensis* KHOSLA, 1978, p. 265, pl. 3, fig. 9-10.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Pokornyyella robusta* (GUHA)  
*Aurila chaasraensis* var. *robusta* GUHA, 1968c, p. 215, pl. 2, fig. 12, 13.  
 Age : Lower Miocene.  
 Distribution : Tamil Nadu.
- Genus *Pontocypris* SARS, 1866  
*Pontocypris* sp. 5  
*Pontocypris* sp. 5. Maddocks, 1969, p. 44, fig. 32 D, E.  
 Age : Recent.  
 Distribution : East Coast of India.
- Genus *Propontocypris* SYLVESTER-BRADLEY, 1947  
 Subgenus *Propontocypris* SYLVESTER-BRADLEY, 1947  
*Propontocypris* (*P.*) *herdmanni* (SCOTT)  
*Paracypris* sp. indet. Bhatia & Mandwal, 1960, p. 281, pl. 41, fig. 2.  
*Propontocypris* (*P.*) *herdmanni* (SCOTT). Maddocks, 1969, p. 17, fig. 8 U; 14 f, g, 1, m.  
*Propontocypris* sp. cf. (*P.*) *herdmanni* (SCOTT). Guha, 1975, p. 17, pl. 1, fig. 3-4.  
*Propontocypris* (*P.*) *herdmanni* (SCOTT). Khosla, 1978, p. 260, pl. 2, fig. 4.  
 Age : Upper Oligocene—Middle Miocene; Recent.  
 Distribution : Gujarat; Bombay off-shore; East Coast of India; Andaman Sea.
- Propontocypris* (*P.*) *paradispar* MADDOCKS  
*Propontocypris* (*P.*) *paradispar* MADDOCKS, 1969, p. 15, fig. 7F, 12, 13.  
 Age : Recent.  
 Distribution : Andaman Sea.
- Propontocypris* (*P.*) *quasicrocata* MADDOCKS  
*Propontocypris* (*P.*) *quasicrocata* MADDOCKS, 1969, p. 15, fig. 11 a, c, g, h.  
 Age : Recent.  
 Distribution : Bay of Bengal.
- Propontocypris* (*P.*) sp. 6  
*Propontocypris* (*P.*) sp. 6 Maddocks, 1969, p. 23, fig. 17 L-N.  
 Age : Recent.  
 Distribution : West Coast of India.
- Propontocypris* (*P.*) sp.  
*Propontocypris* (*P.*) sp. Jain, 1978a, p. 133, fig. 5 R.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Subgenus *Schedopontocypris* MADDOCKS, 1969  
*Propontocypris* (*S.*) *bengalensis* MADDOCKS  
*Propontocypris* (*S.*) *bengalensis* MADDOCKS, 1969, p. 38, fig. 31 A, C, F.  
 Age : Recent.  
 Distribution : East Coast of India.
- Propontocypris* (*S.* ?) sp. 4.  
*Propontocypris* (*Schedopontocypris* ?) sp. 4. Maddocks, 1969, p. 42, fig. 31 E, H, M, N.  
 Age : Recent.  
 Distribution : East Coast of India.
- Propontocypris* (*S.*?) sp. 5  
*Propontocypris* (*Schedopontocypris*?) sp. 5. Maddocks, 1969, p. 42, fig. 31 I, J.  
 Age : Recent.  
 Distribution : East Coast of India.
- Genus *Protobuntonia* GREKOFF, 1954  
*Protobuntonia hartmanni* JAIN  
*Protobuntonia hartmanni* JAIN, 1978b, p. 56, pl. 2, fig. 8-9.  
 Age : Lower Eocene.  
 Distribution : Andhra Pradesh.
- Genus *Pteryogocythereis* BLAKE, 1933  
*Pteryogocythereis kakdiensis* GUHA  
*Pteryogocythereis kakdiensis* GUHA, 1974, pl. 165, pl. 2, fig. 8, 20.  
 Age : Lower Eocene.  
 Distribution : Gujarat.
- Pteryogocythereis* ? sp.  
*Pteryogocythereis* ? sp. Khosla, 1978, p. 270, pl. 4, fig. 21.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Quadracythere* HORNIBROOK, 1952  
 Subgenus *Hornibrookella* MOOS, 1965  
*Quadracythere* (*H.*) *arcana* (LUBIMOVA & GUHA)  
*Cythereis arcanus* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 33, pl. 3, fig. 1.  
*Quadracythere arcanus* (LUBIMOVA & GUHA). Guha, 1968b, p. 91; Khosla, 1972, p. 491, pl. 2, fig. 12.  
*Quadracythere* (*Hornibrookella*) *arcana* (LUBIMOVA & GUHA). Siddiqui, 1971, p. 67, pl. 34, fig. 3-5.  
 Age : Middle Eocene—Upper Oligocene.  
 Distribution : Gujarat; Rajasthan.
- Quadracythere* (*H.*) *subquadrata* SIDDIQUI  
*Quadracythere* (*Hornibrookella*) *subquadrata* SIDDIQUI. Jain, 1978b, p. 54, pl. 1, fig. 11-12.  
 Age : Lower Eocene.  
 Distribution : Andhra Pradesh.

- Genus *Quadracythere* HORNIBROOK, 1952 s. l.  
 "Quadracythere" *avadheshi* (SINGH & MISRA)  
*Cythereis avadheshi* SINGH & MISRA, 1968, p. 35, pl. 10, fig. 6-8.  
*Quadracythere avadheshi* (SINGH & MISRA). Khosla, 1972, p. 491, pl. 2, fig. 11; pl. 4, fig. 15.  
 Age : Lower—Middle Eocene.  
 Distribution : Rajasthan.
- "Quadracythere" *avadheshi mudhensis* KHOSLA  
*Quadracythere avadheshi mudhensis* KHOSLA, 1972, p. 492, pl. 3, fig. 5-6.  
 Age : Middle Eocene.  
 Distribution : Rajasthan.
- "Quadracythere" *nandanaensis* KHOSLA  
*Quadracythere nandanaensis* KHOSLA, 1978, p. 265, pl. 3, fig. 13-14.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- "Quadracythere" *tewarii* BHALLA  
*Quadracythere tewarii* BHALLA, 1979a, p. 239, pl. 1, fig. 1-7.  
 Age : Lower Eocene.  
 Distribution : Andhra Pradesh.
- Genus *Radimella* POKORNY, 1955  
*Radimella* sp. cf. *R. polycosta* HOLDEN  
*Radimella* sp. cf. *R. polycosta* HOLDEN. Khosla, 1978, p. 266, pl. 3, fig. 16.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Radimella saurashtraensis* (GUHA)  
*Hemicythere saurashtraensis* GUHA, 1967a, p. 36, text-fig. 2.  
*Radimella saurashtraensis* (GUHA). Khosla, 1978, p. 266, pl. 3, fig. 15.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Ruggieria* KEIJ, 1957  
*Ruggieria bhatiai* KHOSLA  
*Ruggieria bhatiai* KHOSLA, 1972, p. 492, pl. 3, fig. 7-8; pl. 4, fig. 10; pl. 5, fig. 9.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Ruggieria goujoni* (BRADY)  
*Trachyleberis goujoni* (BRADY). Guha, 1968c, p. 214, pl. 1, fig. 10, 22.  
 Age : Pliocene—Pleistocene.  
 Distribution : Tamil Nadu.
- Ruggieria guhai* KHOSLA  
*Ruggieria* aff. *micheliniana* GUHA 1961, p. 4, text-fig. 15 [not *Ruggieria micheliniana* (BOSQUET)].  
*Ruggieria guhai* KHOSLA, 1978, p. 270, pl. 4, fig. 18-19; pl. 6, fig. 19.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Genus *Schizocythere* TRIEBEL, 1950  
*Schizocythere appendiculata* TRIEBEL  
*Schizocythere appendiculata* TRIEBEL. Khosla, 1972, p. 486, pl. 2, fig. 1.  
 Age : Lower—Middle Eocene.  
 Distribution : Rajasthan.
- Schizocythere* sp. cf. *S. appendiculata* TRIEBEL  
*Schizocythere* sp. cf. *S. appendiculata* TRIEBEL. Mathur, 1969, p. 38, pl. 2, fig. 3, 3a.  
 Age : Middle Eocene.  
 Distribution : Himachal Pradesh.
- Schizocythere bikanerensis* SINGH & MISRA  
*Schizocythere bikanerensis* SINGH & MISRA, 1968, p. 29, pl. 7, fig. 8-10; Khosla, 1972, p. 487, pl. 2, fig. 2.  
 Age : Lower Eocene.  
 Distribution : Rajasthan.
- Schizocythere guzeratensis* GUHA  
*Schizocythere guzeratensis* GUHA, 1968b, p. 84, pl. 1, fig. 11-14, 16, 20.  
 Age : Middle Eocene.  
 Distribution : Gujarat.
- Schizocythere levinsoni* (RAJAGOPALAN)  
*Schizocythere?* *levinsoni* RAJAGOPALAN, 1962, p. 67, pl. 4, fig. 16-19.  
*Schizocythere levinsoni* RAJAGOPALAN, amend. GUHA, in Guha & Shukla, 1973, p. 98, pl. 1, fig. 3, 8, 16.  
 Age : Upper Paleocene—Lower Eocene.  
 Distribution : Pondicherry; Tamil Nadu.
- Schizocythere* sp. cf. *S. levinsoni* RAJAGOPALAN  
*Schizocythere* cf. *S. levinsoni* RAJAGOPALAN. Guha, 1974, p. 162, pl. 1, fig. 5, 9.  
 Age : Lower Eocene.  
 Distribution : Gujarat.
- Schizocythere spinosa* GUHA  
*Schizocythere spinosa* GUHA, 1974, p. 162, pl. 2, fig. 4, 5.  
 Age : Lower Eocene.  
 Distribution : Gujarat.
- Genus *Semicytherura* WAGNER, 1957  
*Semicytherura kutchensis* GUHA  
*Semicytherura kutchensis* GUHA, 1974, p. 168, pl. 2, fig. 9, 11.  
 Age : Lower Eocene.  
 Distribution : Gujarat.
- Semicytherura rameshi* (SINGH & MISRA)  
*Cytherura rameshi* SINGH & MISRA, 1968, p. 31, pl. 8, fig. 4-6.  
*Semicytherura rameshi* (SINGH & MISRA). Khosla, 1972, p. 495, pl. 3, fig. 11.  
 Age : Lower—Middle Eocene.  
 Distribution : Rajasthan.
- Semicytherura* sp.  
*Semicytherura* sp. Mathur, 1969, p. 38, pl. 2, fig. 6, 6a.  
 Age : Middle Eocene.  
 Distribution : Himachal Pradesh.
- Genus *Stigmatocythere* SIDDIQUI, 1971  
*Stigmatocythere chaasraensis* (GUHA)  
*Occultocythereis chaasraensis* GUHA, 1961, p. 4, fig. 8, 10; Guha, 1975, p. 14.  
*Stigmatocythere chaasraensis* (GUHA). Khosla, 1976, p. 136, pl. 1, fig. 7, 9.  
 Age : Oligocene—Lower Miocene.  
 Distribution : Gujarat; Bombay off-shore.

*Stigmatocythere latebrosa* (LUBIMOVA & GUHA)

*Cythereis latebrosa* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 34, pl. 3, fig. 2.

*Bradleya latebrosa* (LUBIMOVA & GUHA). Guha, 1968c, p. 216, pl. 2, fig. 19, 21.

*Stigmatocythere latebrosa* (LUBIMOVA & GUHA). Khosla, 1976, p. 137, pl. 1, fig. 10--11.

Age : Lower Miocene.

Distribution : Gujarat ; Tamil Nadu.

*Stigmatocythere reversa* KHOSLA

*Stigmatocythere reversa* KHOSLA, 1976, p. 137, pl. 1, fig. 1-6.

Age : Lower Miocene.

Distribution : Gujarat.

Genus *Tanella* KINGMA, 1948*Tanella gracilis* KINGMA

*Tanella gracilis* KINGMA. Jain, 1976, p. 128, pl. 2, G-I ; 1978a, p. 97, fig. 2 J 1-4.

Age : Recent.

Distribution : Chilka, East Coast of India ; Mandvi, West Coast of India.

*Tanella gracilis* morphotype A JAIN

*Tanella gracilis* morphotype A Jain, 1978a, p. 97, fig. 2K 1-2.

Age : Recent.

Distribution : Mandvi, West Coast of India.

Genus *Trachyleberis* SYLVESTER-BRADLEY, 1948*Trachyleberis bodjonegoroensis* (KINGMA)

*Trachyleberis bodjonegoroensis* (KINGMA). Guha, 1968a, p. 65, pl. 4, fig. 17.

Age : Pliocene.

Distribution : Andaman Islands.

*Trachyleberis spinellosa* (LUBIMOVA & GUHA)

*Cythereis spinellosa* LUBIMOVA & GUHA, in Lubimova, Guha & Mohan, 1960, p. 31, pl. 2, fig. 10.

*Trachyleberis spinellosa* (LUBIMOVA & GUHA). Guha *et al.*, 1965, p. 3, pl. 3, fig. 15 ; Guha, 1968c, p. 214, pl. 2, fig. 5.

Age : Lower Eocene—Lower Miocene.

Distribution : Gujarat ; Tamil Nadu.

Genus *Triebelina* BOLD, 1946*Triebelina costellata* KHOSLA

*Triebelina costellata* KHOSLA, 1978, p. 260, pl. 1, fig. 14-16.

Age : Lower Miocene.

Distribution : Gujarat.

*Triebelina indopacifica* BOLD

*Triebelina indopacifica* BOLD. Guha, 1968a, p. 59, pl. 4, fig. 3 ; Guha, 1975, p. 17, pl. 1, fig. 8, 10.

Age : Lower Miocene ; Pliocene.

Distribution : Bombay off-shore ; Andaman Islands.

*Triebelina quilonensis* GUHA & RAO

*Triebelina quilonensis* GUHA & RAO, 1976, p. 95, pl. 1, fig. 1. 5.,

Age : Lower Miocene.

Distribution : Kerala.

*Triebelina sertata* TRIEBEL

*Triebelina sertata* TRIEBEL. Guha, 1968a, p. 59, pl. 5, fig. 1.

Age : Pliocene.

Distribution : Andaman Islands.

*Triebelina* sp. cf. *T. tuberculata* (BRADY)

*Bairdia* cf. *B. tuberculata* BRADY. Guha, 1968a, p. 59, pl. 5, fig. 4.

Age : Pliocene.

Distribution : Andaman Islands.

Genus *Uroleberis* TRIEBEL, 1958*Uroleberis foveolata* (BRADY)

*Uroleberis foveolata* (BRADY). Guha, 1975, p. 19, pl. 1, fig. 12.

Age : Upper Oligocene-Lower Miocene.

Distribution : Bombay off-shore.

*Uroleberis gopuramensis* GUHA & SHUKLA

*Uroleberis gopuramensis* GUHA & SHUKLA, 1973, p. 102, pl. 1, fig. 11, 13, 20.

Age : Upper Paleocene—Lower Eocene.

Distribution : Tamil Nadu.

*Uroleberis kutchensis* GUHA

*Uroleberis kutchensis* GUHA, 1968b, p. 88, pl. 1, fig. 4, 8, 12 ; Khosla, 1972, p. 496, pl. 3, fig. 23.

Age : Middle Eocene.

Distribution : Gujarat ; Rajasthan.

*Uroleberis reticulata* GUHA & SHUKLA

*Uroleberis reticulata* GUHA & SHUKLA, 1973, p. 102, pl. 1, fig. 1, 12.

Age : Lower Eocene.

Distribution : Tamil Nadu.

Genus *Vijaiella* JAIN, 1978*Vijaiella mandviensis* JAIN

*Vijaiella mandviensis* JAIN, 1978a, p. 112, fig. 3K 1-4 ; 6 J.

Age : Recent.

Distribution : Mandvi, West Coast of India.

Genus *Xestoleberis* SARS, 1866*Xestoleberis margaritea* BRADY

*Xestoleberis margaritea* BRADY. Guha, 1968a, p. 64, pl. 5, fig. 10.

Age : Pliocene.

Distribution : Andaman Islands.

*Xestoleberis* sp. cf. *X. muelleriana* LIENENKLAUS

*Xestoleberis* sp. cf. *X. muelleriana* LIENENKLAUS. Khosla, 1972, p. 495, pl. 3, fig. 21.

Age : Lower Eocene.

Distribution : Rajasthan.

*Xestoleberis nana* BRADY

*Xestoleberis nana* BRADY. Guha, 1968a, p. 64, pl. 5, fig. 9.

Age : Middle—Upper Miocene ; Pliocene.

Distribution : Andaman Islands.

*Xestoleberis rajagopalanensis* GUHA

*Xestoleberis rajagopalanensis* GUHA, 1967b.

Age : Oligocene.

Distribution : Gujarat.

- Xestoleberis rupnarayanalurensis* GUHA & SHUKLA  
*Xestoleberis rupnarayanalurensis* GUHA & SHUKLA, 1973, p. 101, pl. 2, fig. 2, 3, 8, 9.  
 Age : Middle-Upper Paleocene.  
 Distribution : Tamil Nadu.
- Xestoleberis subglobosa* (BOSQUET)  
*Xestoleberis subglobosa* (BOSQUET). Guha, 1968b, p. 88, pl. 1, fig. 3 ; Mathur, 1969, p. 38, pl. 2, fig. 7, 7a.  
 Age : Middle Eocene.  
 Distribution : Gujarat ; Himachal Pradesh.
- Xestoleberis variegata* BRADY  
*Xestoleberis variegata* BRADY. Guha, 1967, Guha, 1968a, p. 64, pl. 4, fig. 19 ; Guha, 1974, p. 171 ; Guha, 1975, p. 19, pl. 1, fig. 2, 5.  
 Age : Upper Oligocene-Pliocene.  
 Distribution : Gujarat ; Andaman Islands ; Bombay Off-shore.
- Xestoleberis* sp. cf. *X. variegata* BRADY  
*Xestoleberis* sp. cf. *X. variegata* BRADY. Jain, 1978a, p. 129, fig. 5H 1-3.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Xestoleberis* sp. A  
*Xestoleberis* sp. A Khosla, 1978, p. 276, pl. 5, fig. 21-22.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- Xestoleberis* sp. B  
*Xestoleberis* sp. B. Khosla, 1978, p. 276, pl. 5, fig. 23-24.  
 Age : Lower Miocene.  
 Distribution : Gujarat.
- ? *Xestoleberis* sp. indet.  
 ? *Xestoleberis* sp. indet. Jain, 1978b, p. 58, pl. 2, fig. 10-11  
 Age : Lower Eocene.  
 Distribution : Andhra Pradesh.
- Xestoleberis* sp.  
*Xestoleberis* sp. Guha et al., 1965, p. 4, pl. 3, fig. 3.  
 Age : Lower Miocene.  
 Distribution : Tamil Nadu.
- Xestoleberis* sp. A  
*Xestoleberis* sp. A. Jain, 1978a, p. 129, fig. 5I 1-2.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
- Xestoleberis* sp. B  
*Xestoleberis* sp. B. Jain, 1978a, p. 130, fig. 5J 1-2.  
 Age : Recent.  
 Distribution : Mandvi, West Coast of India.
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