

Research Article

## An annotated checklist of Earthworms from India

Shyamasree Ghosh<sup>1\*</sup>, Chandrakanta Mandal<sup>2S</sup>, Surajit Hazra,<sup>3</sup> Rashmi Bhattacharjee<sup>3</sup>,  
Md. N. Hasan<sup>3</sup>, Dhriti Banerjee<sup>3</sup>

<sup>1</sup> School of Biological Sciences, National Institute of Science Education and Research (NISER), Bhubaneswar,  
An OCC of HomiBhabha National Institute, Bhubaneswar, 752050, Odiisha, India.

<sup>2</sup> Zoological Survey of India, Ministry of Environment, forest and climate change, 218, Kaulagarh Road, Pin code-  
248195, NRC, Dehradun, India.

<sup>3</sup> Diptera Section, Zoological Survey of India, Ministry of Environment, forest and climate change,  
M- Block, New Alipore, Kolkata 700053, India.

<sup>S</sup> Both authors are joint first authors.

(Received: February 21, 2022; Revised: August 23, 2022; Accepted: August 29, 2022)

### ABSTRACT

Earthworms belong to Phylum Annelida, Class Oligochaeta are truly coelomate animals and are known to be swell dwellers. They are exposed to pathogens in the soil. Global in distribution, they reveal biodiversity across India. We have studied the earthworm fauna of India and present here a total distribution of different species of earthworm from India, highlighting their biodiversity and ecology. The study of diversity and earthworm distribution across different states of India and different soil conditions, included under 20 agroecological zones (AEZ) of India including 14 families and 445 valid species is an intriguing study, being reported for the first time from India.

**Key words:** India, Earthworm, checklist, vectors, distribution

### INTRODUCTION

Earthworms belonging to Phylum Annelida and Class Oligochaeta are coelomate soil macro-invertebrates that play an essential role in maintaining soil fertility by carrying out decomposition of organic matter and nutrient recycling (Ansari *et al.*, 2011; Domínguez and Edwards, 2011). Oligochaetes as their name suggests have 'few bristles'. Earthworms with a terrestrial life have permeable skin. Their habitats ranges from compost to permanent burrows deep down in the soil, some species are reported to live in the middle ground forming complex networks of tunnels.

The fine line structure of an earthworm's body includes a digestive funnel held within a thick cylindrical muscular tube and the body is divisible into several segments. On the body surface presence of furrows are distinct which demarcates the division between each segment.

The earthworms are usually hermaphrodite in nature and are bilaterally symmetrical with an external gland or clitellum for production of cocoon, prostomium -the frontal fleshy, muscular sensory lobe of the mouth, and an anus with a small number of bristles or setae on each segment at the terminal end of the body (Edwards and Bohlen, 1996; Ramnarain *et al.*, 2015). Except the mouth all other segments, have eight retractable bristles or setae which aids in gripping of the surfaces as the earthworm moves.

Earthworms are also known as biological indicators of soil fertility as they play indispensable role in nurturing the soil fertility and contribute as natural

tillers of the soil and are known as the farmer's friend. Their activity in the soil increases in soil fertility. In the process of their life and habitat, they are exposed to pathogens in the soil (Ghosh, 2018). However their robust immune system enables their survival, growth and reproduction (Ghosh 2020 a, b, c). They are known to be vectors for soil and vermicompost, mycorrhizal fungi (Reddell *et al.*, 1991) and *Escherichia coli* (E coli) O157:H7 (Williams *et al.*, 2006).

Broadly earthworms are included as the soil dwelling and composting types (Gajalakshmi and Abassi, 2003; Aalok *et al.*, 2008; Ansari and Jaikishun, 2011; Sinha *et al.*, 2011). Ecologically earthworms include epigenic, anecic and endogenic forms though only the epigenic and anecic species of earthworms are involved in vermicomposting (Munnoli *et al.*, 2010).

Since, the diversity of Indian earthworms are much greater than that of the other Asian countries and as they imparts various array of biological functions related to soil fertility and as vectors of various parasites, updating and preparing an annotated checklist of Indian earthworms is highly required.

While globally over 9000 species has been described, the checklist of earthworm from different zones of Indian Territory was last updated during the year 2017 by Vishwakarma and Yadav. In earthworms endemism was found to be highly reported including 71% of genera and 89% of species being endemic and it was also postulated that at least 45 exotic species have been transported to India and mostly belongs to union-territory from other Zoogeographical realms

\*Corresponding Author's E-mail: shyamasree\_b@yahoo.com

(Earthworms of India, Identification key and digital library <https://earthwormsofindia.com/about-earthworms-of-india.php>).

Although the earlier report has stated about 10 families and 435 valid species (Earthworms of India, Identification key and digital library <https://earthwormsofindia.com/about-earthworms-of-india.php>) in this checklist we reported fauna of earthworms identified from different States, Union territory Andaman, Nicobar Islands and Lakshadweep of India including 14 families and 445 valid species, (Julka, 1988, Julka *et al.*, 2009, Stephenson 1923).

**MATERIALS AND METHODS**

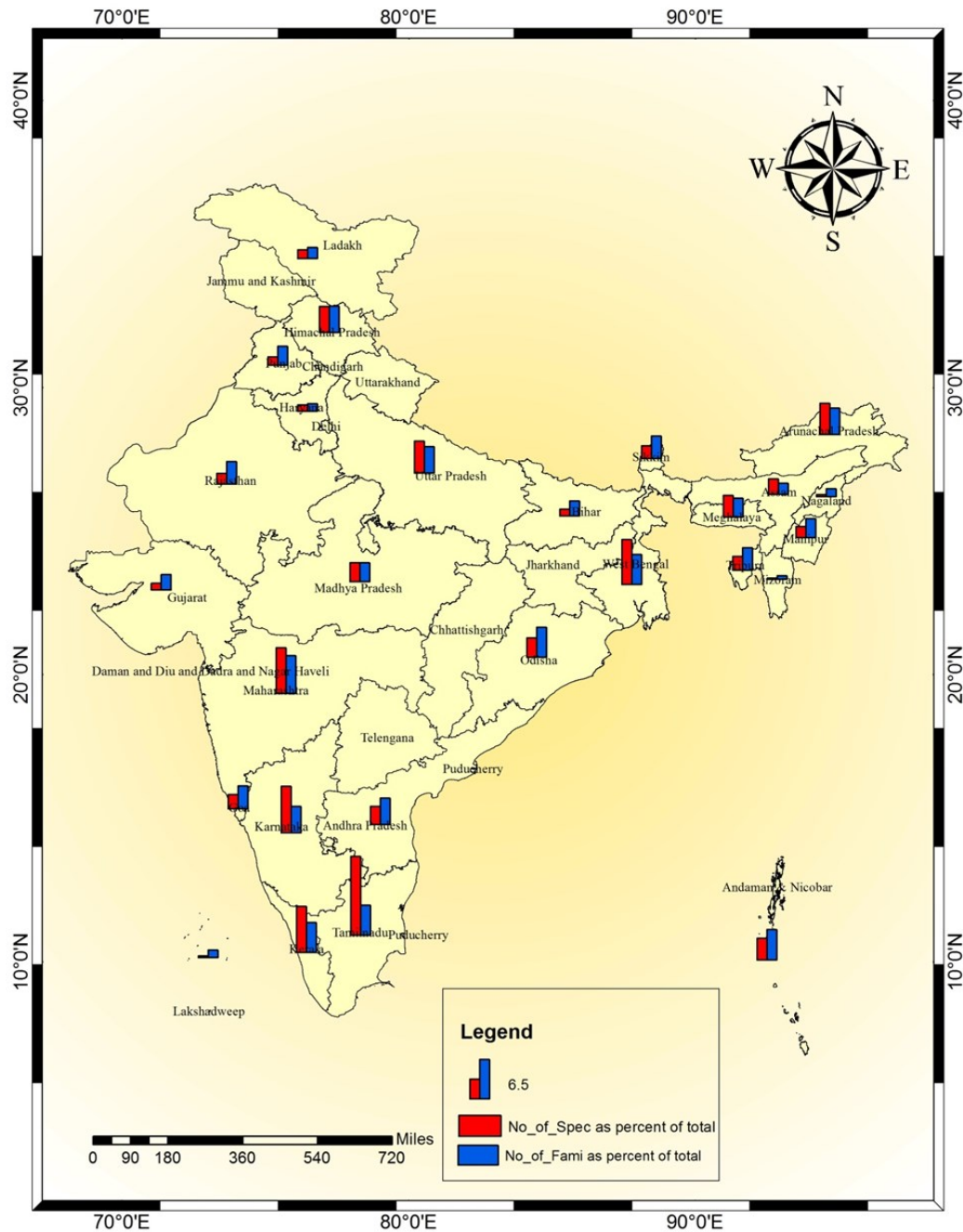
The current checklist has been prepared following available data from survey conducted by Zoological Survey of India (ZSI) and materials collected from field studies

and museum specimens already present in repository collections of ZSI.

The Family and Species Dot map of India was created using ArcGIS 10.5 (ESRI, Redlands, CA, USA). The Blue dot map indicates the no of the family reported from the states, whereas the red dot map indicates the percentile of species from the states. The bar graph map indicates the comparison between no of families and species from the states. Thematic maps were processed using the chart features method of ArcGIS 10.5.

**RESULTS**

We report an updated checklist and state wise distribution of earthworm (Oligochaeta) in India (Table 1, Figure 1).



**Figure 1.** India Map: Distribution of Family and Species of Earthworm, based on checklist.

**Table 1.** Checklist and statewise distribution of earthworm (oligochaeta) in India**Andaman and Nicobar islands:**

Family: Octochaetidae

Genus: *Dichogaster* Beddard, 18881) *Dichogaster bolau* (Michaelsen, 1891)2) *Dichogaster modiglianii* (Rosa, 1896)Genus: *Ramiella* Stephenson, 19213) *Ramiella bishambari* (Stephenson, 1914)

Family: Lumbricidae

Genus: *Eisenia* Michaelsen, 19004) *Eisenia foetida* (Savigny, 1826)Genus: *Lumbricus* Linnaeus, 17585) *Lumbricus rubellus* Hoffmeister, 1843

Family: Moniligastridae

Genus: *Drawida* Michaelsen, 19006) *Drawida nepalensis* Michaelsen, 1907Genus: *Moniligaster* Perrier, 18727) *Moniligaster sapphirinaoides* Bourne, 18868) *Moniligaster ophidioides* Bourne, 18919) *Moniligaster grandis* Bourne, 189410) *Moniligaster invaniosi* Reynolds, 2011

Family: Acanthodrilidae

Genus: *Pontodrilus* Perrier, 187411) *Pontodrilus bermudensis* Beddard, 1891

Family: Glossoscolecidae

Genus: *Pontoscolex* Schmarda, 186112) *Pontoscolex corethrurus* (Muller, 1857)

Family: Ocerodrilidae

Genus: *Eukerria* Michaelsen, 193513) *Eukerria kuekenthali* (Michaelsen, 1908)Genus: *Gordriodilus* Beddard, 189214) *Gordriodrilus elegans* morph. paski Stephenson, 1928Genus: *Malabaria* Stephenson, 192415) *Malabaria sulcata* Gates, 1936Genus: *Ocerodrilus* Eisen, 187816) *Ocerodrilus occidentalis* Eisen, 1878Genus: *Thatonia* Gates, 194217) *Thatonia gracilis* Gates, 1942

Family: Megascolecidae

Genus: *Amyntas* Kinberg, 186718) *Amyntas aculeatus* (Gates, 1936)19) *Amyntas alexandri* Beddard, 190120) *Amyntas facetus* (Gates, 1932)21) *Amyntas malacus* (Gates, 1932)22) *Amyntas osmaston* (Michaelsen, 1907)23) *Amyntas suctorius* (Michaelsen, 1907)Genus: *Metaphire* Sims and Easton, 197224) *Metaphire andamanensis* (Michaelsen, 1907)25) *Metaphire planata* (Gates, 1926)26) *Metaphire posthuma* (Vaillant, 1868)27) *Metaphire harrietensis* (Stephenson, 1925)28) *Metaphire houletti* (Gates, 1972)29) *Metaphire peguana* (Rosa, 1890)30) *Metaphire scitula* (Gates, 1936)Genus: *Metapheretima* Michaelsen, 192831) *Metapheretima elongata* Easton, 1976Genus: *Perionyx* Perrier, 187232) *Perionyx excavatus* (Perrier, 1888)Genus: *Lampito* Kinberg, 186733) *Lampito mauritii* (Kinberg, 1866)Genus: *Polypheretima* Michaelsen, 193434) *Polypheretima elongata* (Perrier, 1872)**Andhra Pradesh:**

Family: Octochaetidae

Genus: *Barogaster* Gates, 19401) *Barogaster annandalei* (Stephenson, 1921)Genus: *Dichogaster* Beddard, 18882) *Dichogaster bolau* (Michaelsen, 1891)Genus: *Octochaetona* Gates, 19623) *Octochaetona albida* (Gates, 1945)4) *Octochaetona barnesi* (Stephenson, 1925)5) *Octochaetona compta* (Gates, 1945)6) *Octochaetona excavata* (Stephenson, 1925)7) *Octochaetona paliensis* (Stephenson, 1907)8) *Octochaetona parva* (Gates, 1945)9) *Octochaetona phillotii* (Michaelsen, 1907)10) *Octochaetona rosea* (Stephenson, 1926)11) *Octochaetona serrata* (Gates, 1945)12) *Octochaetona surensis* (Michaelsen, 1910)13) *Octochaetona thurstoni* (Michaelsen, 1907)Genus: *Ramiella* Stephenson, 192114) *Ramiella bishambari* (Stephenson, 1914)

Family: Moniligastridae

Genus: *Drawida* Michaelsen, 190015) *Drawida annandalei* (Stephenson, 1913)16) *Drawida lennora* Gates, 194517) *Drawida lamella* Gates, 193418) *Drawida peridiosa* Gates, 193419) *Drawida pellucida* var. *pallida*

(Michaelsen, 1910)

20) *Drawida willsi* (Michaelsen, 1907)Genus: *Moniligaster* Perrier, 187221) *Moniligaster perrieri* Michaelsen, 1907

Family: Acanthodrilidae

Genus: *Pontodrilus* Perrier, 187422) *Pontodrilus bermudensis* Beddard, 1891

Family: Glossoscolecidae

Genus: *Pontoscolex* Schmarda, 186123) *Pontoscolex corethrurus* (Muller, 1856)

Family: Megascolecidae

Genus: *Pithemera* Sims and Easton 197224) *Pithemera bicincta* Perrier, 1875Genus: *Lampito* Kinberg, 186725) *Lampito mauritii* (Kinberg, 1867)Genus: *Polypheretima* Michaelsen, 193426) *Polypheretima elongata* (Perrier, 1872)Genus: *Drawida* Michaelsen, 190027) *Drawida exilis* Gates, 1945Genus: *Megascolex* Templeton, 184428) *Megascolex tripartitus* Stephenson, 1925

Family: Lumbricidae

Genus: *Eisenia* Michaelsen, 190029) *Eisenia foetida* (Savigny, 1826)

Family: Eudrilidae

Genus: *Eudrilus* Perrier, 187130) *Eudrilus eugeniae* (Kinberg, 1867)**Arunachal Pradesh:**

Family: Octochaetidae

Genus: *Dichogaster* Beddard, 18881) *Dichogaster affinis* (Michaelsen, 1890)2) *Dichogaster bolau* (Michaelsen, 1891)3) *Dichogaster saliens* (Beddard, 1893)4) *Dichogaster modigliani* (Rosa, 1896)Genus: *Eutyphous* Michaelsen, 19005) *Eutyphous abortianus* Stephenson, 19146) *Eutyphous gammiei* (Beddard, 1888)

- 7) *Eutyphoeus kempii* Stephenson, 1914  
 8) *Eutyphoeus incommodus* Beddard, 1901  
 Genus: *Octochaetona* Gates, 1962  
 9) *Octochaetona beatrix* (Beddard, 1902)  
 Family: Lumbricidae  
 Genus: *Dendrobaena* Eisen, 1873  
 10) *Dendrobaena rubida* (Savigny, 1826)  
 Genus: *Bimastos* Moore, 1893  
 11) *Bimastos parvus* (Eisen, 1874)  
 12) *Bimastos rubidus* (Savigny, 1826)  
 Family: Moniligastridae  
 Genus: *Drawida* Michaelsen, 1900  
 13) *Drawida decourcyi* (Stephenson, 1914)  
 14) *Drawida nepalensis* Michaelsen, 1907  
 15) *Drawida kempii* Stephenson, 1914  
 16) *Drawida aruna* Julka, 1981  
 17) *Drawida beddardii* (Rosa, 1890)  
 18) *Drawida constricta* Gates, 1929  
 19) *Drawida duttai* Julka, 1981  
 20) *Drawida pellucida* var. *stewarti* Stephenson, 1914  
 21) *Drawida tihunensis* Julka, 1976  
 Genus: *Desmogaster* Rosa, 1890  
 22) *Desmogaster ferina* Gates, 1943  
 Family: Glossoscolecidae  
 Genus: *Pontoscolex* Schmarda, 1861  
 23) *Pontoscolex corethrurus* (Muller, 1856)  
 Family: Acanthodrilidae  
 Genus: *Plutellus* Perrier, 1873  
 24) *Plutellus aliensis* Stephenson, 1914  
 25) *Plutellus bahli* Julka, 1981  
 26) *Plutellus taksigensis* Julka, 1981  
 27) *Plutellus damiensis* Julka, 1981  
 28) *Plutellus mishmiensis* Julka, 1976  
 Family: Eudrilidae  
 Genus: *Eudrilus* Perrier, 1871  
 29) *Eudrilus eugeniae* (Kinberg, 1867)  
 Family: Megascolecidae  
 Genus: *Amyntas* Kinberg, 1867  
 30) *Amyntas diffringens* (Baird, 1869)  
 31) *Amyntas corticis* (Kinberg, 1866)  
 32) *Amyntas gracilis* (Kinberg, 1867)  
 Genus: *Perionyx* Perrier, 1872  
 33) *Perionyx annulatus* Stephenson, 1914  
 34) *Perionyx depressus* Stephenson, 1914  
 35) *Perionyx excavatus* Perrier, 1872  
 36) *Perionyx foveatus* Stephenson, 1914  
 37) *Perionyx gravelyi* (Stephenson, 1917)  
 38) *Perionyx kempii* Stephenson, 1914  
 39) *Perionyx koboensis* Stephenson, 1914  
 40) *Perionyx macintoshi* Beddard, 1893  
 41) *Perionyx modestus* Stephenson, 1922  
 42) *Perionyx daflaensis* Julka, 1981  
 43) *Perionyx damiensis* Julka, 1981  
 44) *Perionyx vidakensis* Julka, 1981  
 45) *Perionyx turaensis* (Stephenson, 1920)  
 46) *Perionyx variegatus* (Michaelsen, 1907)  
 Genus: *Tonoscolex* Gates, 1933  
 47) *Tonoscolex striatus* Stephenson, 1914  
 48) *Tonoscolex oneilli* Stephenson, 1914  
 49) *Tonoscolex indicus* Julka, 1981  
 50) *Tonoscolex kabakensis* Julka, 1981  
 51) *Tonoscolex michaelseni* Julka, 1976

**Assam:**

Family: Octochaetidae

Genus: *Eutyphoeus* Michaelsen, 1900

- 1) *Eutyphoeus assamensis* Stephenson, 1926
- 2) *Eutyphoeus gammiei* (Beddard, 1888)
- 3) *Eutyphoeus nepalensis* Michaelsen, 1907
- 4) *Eutyphoeus kempii* Stephenson, 1914

Genus: *Octochaetona* Gates, 1962

- 5) *Octochaetona surensis* Michaelsen, 1910

Family; Moniligastridae

Genus: *Drawida* Michaelsen, 1900

- 6) *Drawida nepalensis* Michaelsen, 1907
- 7) *Drawida lamella* Gates, 1934
- 8) *Drawida pomella* Gates, 1931
- 9) *Drawida kempii* Stephenson, 1914
- 10) *Drawida tihunensis* Julka, 1976
- 11) *Drawida aruna* Julka, 1981
- 12) *Drawida beddardi* (Rosa, 1890)
- 13) *Drawida constricta* Gates, 1929
- 14) *Drawida duttai* Julka, 1981

Family: Megascolecidae

Genus: *Amyntas* Kinberg, 1867

- 15) *Amyntas alexandri* Beddard, 1900
- 16) *Amyntas diffringens* (Baird, 1869)

Genus: *Metaphire* Sims and Easton, 1972

- 17) *Metaphire planata* (Gates, 1926)
- 18) *Metaphire posthuma* (Vaillant, 1868)
- 19) *Metaphire peguana* (Rosa, 1890)
- 20) *Metaphire houletti* (Perrier, 1872)

Genus: *Perionyx* Perrier, 1872

- 21) *Perionyx annandelei* (Michaelsen, 1907)
- 22) *Perionyx excavatus* Perrier, 1872
- 23) *Perionyx jorepokriensis* Julka, 1975

Genus: *Lampito* Kinberg, 1867

- 24) *Lampito mauritii* (Kinberg, 1867)

Genus: *Polypheretima* Michaelsen, 1934

- 25) *Polypheretima elongata* (Perrier, 1872)

Genus: *Nelloscolex* Gates, 1939

- 26) *Nelloscolex parvus* Gates, 1939
- 27) *Nelloscolex strigosus* Gates, 1939

**Bihar:**

Family: Octochaetidae

Genus: *Eutyphoeus* Michaelsen, 1900

- 1) *Eutyphoeus micholsoni* (Beddard, 1901)
- 2) *Eutyphoeus orientalis* (Beddard, 1893)
- 3) *Eutyphoeus quadripapillatus* Michaelsen, 1907
- 4) *Eutyphoeus waltoni* Michaelsen, 1907
- 5) *Eutyphoeus naurangiyaensis* Mandal *et. al.*, 2017
- 6) *Eutyphoeus turaensis* Stephenson, 1920

Family: Moniligastridae

Genus: *Drawida* Michaelsen, 1900

- 7) *Drawida nepalensis* Michaelsen, 1907

Family: Megascolecidae

Genus: *Metaphire* Sims and Easton, 1972

- 8) *Metaphire posthuma* (Vaillant, 1868)

Genus: *Lampito* Kinberg, 1867

- 9) *Lampito mauritii* Kinberg, 1866

Genus: *Amyntas* Kinberg, 1867

- 10) *Amyntas diffringens* (Baird, 1869)

Family: Lumbricidae

Genus: *Eisenia* Michaelsen, 1900

- 11) *Eisenia foetida* (Savigny, 1826)

**Chandigarh:**

Family: Octochaetidae

Genus: *Eutyphoeus*, Michaelsen, 1900

- 1) *Eutyphoeus incommodus* (Beddard, 1901)
- 2) *Eutyphoeus nicholsoni* (Beddard, 1901)
- 3) *Eutyphoeus waltoni*, Michaelsen, 1907

Genus: *Octochaetona* Gates, 1962

- 4) *Octochaetona beatrix* Beddard, 1902

Family: Megascolecidae

Genus: *Metaphire* Sims and Easton, 1972

- 5) *Metaphire planata* (Gates, 1926)

Genus: *Amyntas* Kinberg, 1867

- 6) *Amyntas diffringens* (Baird, 1869)

**Delhi:**

Family: Octochaetidae

Genus: *Eutyphoeus* Michaelsen, 1900

- 1) *Eutyphoeus waltoni* Michaelsen, 1907

Genus: *Dichogaster* Beddard, 1888

- 2) *Dichogaster bolau* (Michaelsen, 1891)

Family: Lumbricidae

Genus: *Eisenia* Michaelsen, 1900

- 3) *Eisenia foetida* (Savigny, 1826)

Family: Megascolecidae

Genus: *Amyntas* Kinberg, 1867

- 4) *Amyntas morrisoni* (Beddard, 1892)

Genus: *Lampito* Kinberg, 1867

- 5) *Lampito mauritii* Kinberg, 1866

Genus: *Metaphire* Sims and Easton, 1972

- 6) *Metaphire posthuma* (Vaillant, 1868)
- 7) *Metaphire houletti* (Perrier, 1872)

Genus: *Perionyx* Perrier, 1872

- 8) *Perionyx excavatus* Perrier 1888

**Goa:**

Family: Octochaetidae

Genus: *Dichogaster* Beddard, 1888

- 1) *Dichogaster bolau* (Michaelsen, 1891)

Genus: *Eudichogaster* Gates, 1960

- 2) *Eudichogaster kinneari* Leena, 2015

Genus: *Hoplochaetella* Michaelsen, 1900

- 3) *Hoplochaetella affinis* Stephenson, 1917
- 4) *Hoplochaetella sanvordemenensis* Julka, 1988
- 5) *Hoplochaetella suctoria* Stephenson, 1917
- 6) *Hoplochaetella anomala* Stephenson, 1923

Genus: *Konkodrilus* Soota & Julka, 1972

- 7) *Konkodrilus bahli* (Soota & Julka, 1972)
- 8) *Konkodrilus stephensoni* (Soota & Julka, 1972)

Genus: *Lenogaster* Gates, 1939

- 9) *Lenogaster trichochoetus* Stephenson, 1920

Genus: *Octochaetona* Gates, 1962

- 10) *Octochaetona beatrix* Beddard, 1902

Genus: *Octochaetus* Beddard, 1893

- 11) *Octochaetus castellanus* Stephenson, 1917
- 12) *Octochaetus thurstoni* Michaelsen, 1900

Genus: *Rillogaster* Gates, 1939

- 13) *Rillogaster eastoni* Julka, 1988

Family: Moniligastridae

Genus: *Drawida* Michaelsen, 1900

- 14) *Drawida sulcata* Michaelsen, 1907
- 15) *Drawida pellucida* var. *pallida* Michaelsen, 1910
- 16) *Drawida kanarensis* Stephenson, 1917
- 17) *Drawida travancorensis* Michaelsen, 1910

Family: Acanthodrilidae

Genus: *Pontodrillus* Perrier, 1874

- 18) *Pontodrillus bermudensis* Beddard, 1891

Family: Glossoscolecidae

Genus: *Pontoscolex* Schmarda, 1861

- 19) *Pontoscolex corethrurus* Muller, 1856

Family: Ocnodrilidae

Genus: *Curgiona* Mchaelsen, 1921

- 20) *Curgiona narayani* Mchaelsen, 1926

Family: Megascolecidae

Genus: *Megascolex* Templeton, 1844

- 21) *Megascolex hortonensis* Stephenson, 1915

- 22) *Megascolex konkanensis* Fedarb, 1898

Genus: *Metaphire* Sims and Easton, 1972

- 23) *Metaphire houletti* (Perrier, 1872)

**Gujarat:**

Family: Octochaetidae

Genus: *Barogaster* Gates, 1940

- 1) *Barogaster barodensis* Stephenson, 1914

Genus: *Dichogaster* Beddard, 1888

- 2) *Dichogaster affinis* Michaelsen, 1890
- 3) *Dichogaster bolau* (Michaelsen, 1891)

Genus: *Eudichogaster* Michaelsen, 1902

- 4) *Eudichogaster prashadi* Stephenson, 1920.

Genus: *Eutyphoeus* Michaelsen, 1900

- 5) *Eutyphoeus waltoni* Michaelsen, 1907

Genus: *Octochaetona* Gates, 1962

- 6) *Octochaetona beatrix* Beddard, 1902

Family: Glossoscolecidae

Genus: *Pontoscolex* Schmarda, 1861

- 7) *Pontoscolex corethrurus* Muller, 1856

Family: Megascolecidae

Genus: *Metaphire* Sims and Easton, 1972

- 8) *Metaphire posthuma* Vaillant, 1868

Genus: *Perionyx* Perrier, 1872

- 9) *Perionyx sansibaricus* Michaelsen, 1891

Genus: *Lampito* Kinberg, 1867

- 10) *Lampito mauritti* Kinberg, 1867

Family: Lumbricidae

Genus: *Eisenia* Michaelsen, 1900

- 11) *Eisenia foetida* (Savigny, 1826)

**Haryana:**

Family: Octochaetidae

Genus: *Dichogaster* Beddard, 1888

- 1) *Dichogaster bolau* (Michaelsen, 1891)

Genus: *Eutyphoeus* Michaelsen, 1900

- 2) *Eutyphoeus incommodus* Beddard, 1901

- 3) *Eutyphoeus nicholsoni* Beddard, 1901

- 4) *Eutyphoeus waltoni* Michaelsen, 1907

Genus: *Octochaetona* Gates, 1962

- 5) *Octochaetona Beatrix* (Beddard, 1902)

Family: Megascolecidae

Genus: *Metaphire* Sims and Easton, 1972

- 6) *Metaphire posthuma* (Vaillant, 1868)

- 7) *Metaphire planata* (Gates, 1926)

Genus *Lampito* Kinberg 1867

- 8) *Lampito mauritii* Kinberg, 1867

Genus *Amyntas* Kinberg, 1867

- 9) *Amyntas morrisoni* (Beddard, 1892)

- 10) *Amyntas robustus* (Perrier, 1872)

- 11) *Amyntas diffringens* (Baird, 1869)

**Himachal Pradesh:**

Family: Octochaetidae

Genus: *Dichogaster* Beddard, 18881) *Dichogaster bolau* (Michaelsen, 1891)Genus: *Eutyphoeus* Michaelsen, 19002) *Eutyphoeus incommodus* (Beddard, 1901)3) *Eutyphoeus nicholsoni* (Beddard, 1901)4) *Eutyphoeus waltoni* Michaelsen, 1907Genus: *Lennogaster* Gates, 19395) *Lennogaster chittagongensis* (Stephenson, 1917)6) *Lennogaster pusillus* (Stephenson, 1920)7) *Lennogaster yeicus* (Stephenson, 1931)Genus: *Ramiella* Stephenson, 19218) *Ramiella bishambari* (Stephenson, 1914)Genus: *Octochaetona* Gates, 19629) *Octochaetona beatrix* (Beddard, 1902)Genus: *Dichogaster* Beddard, 188810) *Dichogaster bolau* (Michaelsen, 1891)11) *Dichogaster saliens* (Beddard, 1893)

Family: Lumbricidae

Genus: *Apporectodea* Orley, 188512) *Apporectodea trapezoids* (Duges, 1818)13) *Apporectodea tuberculata* (Eisen, 1874)14) *Apporectodea turgida* (Eisen, 1874)15) *Apporectodea caliginosa caliginosa* (Duges, 1828)16) *Apporectodea rosea rosea* (Savigny, 1826)Genus: *Bimastos* Moore, 189317) *Bimastos parvus* (Eisen, 1874)Genus: *Dendrobaena* Eisen, 187318) *Dendrobaena rubida* (Savigny, 1826)Genus: *Eisenia* Michaelsen, 190019) *Eisenia foetida* (Savigny, 1826)20) *Eisenia hortensis* (Michaelsen, 1890)21) *Eisenia rosea* (Savigny, 1826)Genus: *Eiseniella* Michaelsen, 190022) *Eiseniella tetraedra tetraedra* (Savigny, 1826)Genus: *Lumbricus* Linnaeus, 175123) *Lumbricus terrestris* Linnaeus, 1758Genus: *Octolasion* Orley, 188524) *Octolasion cyaneum* (Savigny, 1826)25) *Octolasion tytaeum* (Savigny, 1826).

Family: Ocnodrilidae

Genus: *Ocnodrilus* Eisen, 187826) *Ocnodrilus occidentalis* Eisen, 1878

Family: Acanthodrilidae

Genus: *Microscolex* Rosa, 188727) *Microscolex phosphoreus* (Duges, 1837)

Family: Moniligastridae

Genus: *Drawida* Michaelsen, 190028) *Drawida nepalensis* (Michaelsen, 1907)29) *Drawida japonica* (Michaelsen, 1892)

Family: Megascolecidae

Genus: *Amyntus* Kinberg, 186730) *Amyntus diffirgens* (Baird, 1809)31) *Amyntus corticis* (Kinberg, 1867)32) *Amyntus gracilis* (Kinberg, 1867)33) *Amyntus hupeiensis* (Michaelsen, 1895)34) *Amyntus morrisi* (Beddard, 1892)Genus: *Metaphire* Sims and Easton, 197235) *Metaphire posthuma* (Vaillant, 1868)36) *Metaphire birmanica* (Rosa, 1888)37) *Metaphire houlleti* (Perrier, 1872)Genus: *Lampito* Kinberg, 186738) *Lampito mauritii* Kinberg, 1867Genus: *Perionyx* Perrier, 187239) *Perionyx bainii* Stephenson, 191540) *Perionyx excavatus* Perrier, 187241) *Perionyx sansibaricus* Michaelsen, 189142) *Perionyx simlaensis* (Michaelsen, 1907)Genus: *Argilophilus* Eisen, 189343) *Argilophilus sadhupulensis* (Julka & Paliwal, 1994)**Jammu & Kashmir:**

Family: Octochaetidae

Genus: *Eutyphous* Michaelsen, 19001) *Eutyphoeus incommodus* (Beddard, 1901)2) *Eutyphoeus waltoni* (Michaelsen, 1907)Genus: *Lennogaster* Gates, 19393) *Lennogaster chittagongensis* (Stephenson, 1917)Genus: *Octochaetona* Gates, 19624) *Octochaetona beatrix* (Beddard, 1902)

Family: Lumbricidae

Genus: *Aporrectodea* Orley, 18855) *Aporrectodea trapezoids* (Duges, 1828)6) *Aporrectodea rosea* (Savigny, 1826)7) *Aporrectodea caliginosa* (Savigny, 1826)Genus: *Bimastos* Moore, 18938) *Bimastos parvus* (Eisen, 1874)Genus: *Dendrobaena* Eisen, 18739) *Dendrobaena rubida* Savigny, 1826Genus: *Eisenia* Orley, 188510) *Eisenia rosea* (Savigny, 1826)11) *Eisenia foetida* (Savigny, 1826)Genus: *Octolasion* Orley, 188512) *Octolasion tyrtaeum* Savigny, 182613) *Octolasion Octolasion cyaneum* Savigny, 1820

Family: Megascolecidae

Genus: *Amyntus* Kinberg, 186714) *Amyntus diffirgens* (Baird, 1869)Genus: *Metaphire* Sims and Easton, 187215) *Metaphire posthuma* (Vaillant, 1868)**Karnataka:**

Family: Octochaetidae

Genus: *Dichogaster* Beddard, 18881) *Dichogaster affinis* Michaelsen, 18902) *Dichogaster bolau* (Michaelsen, 1891)3) *Dichogaster curgensis* Michaelsen, 19214) *Dichogaster saliens* Beddard, 18935) *Dichogaster Modigliani* Rosa, 1896Genus: *Hoplochaetella* Michaelsen, 19006) *Hoplochaetella anomala* Stephenson, 19207) *Hoplochaetella bifoveata* Stephenson, 19178) *Hoplochaetella inornata* Stephenson, 19179) *Hoplochaetella karnatakensis* Julka, 198810) *Hoplochaetella kemp* Stephenson, 191711) *Hoplochaetella kinneari* Stephenson, 191512) *Hoplochaetella kurmagarensis* Gates, 194513) *Hoplochaetella londensis* Julka, 198814) *Hoplochaetella righii* Julka, 198815) *Hoplochaetella sanvordemensis* Julka, 198816) *Hoplochaetella suctoria* Stephenson, 1917Genus: *Karmiella* Julka, 198317) *Karmiella karnatakaensis* Julka, 1983Genus: *konkadrilus* Soota & Julka, 197218) *Konkadrilus bahli* (Soota & Julka, 1972)19) *Konkadrilus tirthahalliensis* Julka, 198820) *Konkadrilus zicsii* Julka, 1988

Genus: *Kotegeeharia* Julka, 1988

21) *Kotegeeharia gatesi* Julka, 1988

Genus: *Lennogaster* Gates, 1939

22) *Lennogaster pussilus* Stephenson, 1920

Genus: *Mallehulla* Julka & Rao, 1982

23) *Mallehulla indica* Julka & Rao, 1982

Genus: *Octochaetona* Gates, 1962

24) *Octochaetona beatrix* Beddard, 1902

25) *Octochaetona albida* Gates, 1962

Genus: *Priodescolex* Gates, 1940

26) *Priodescolex montanus* Gates, 1940

Genus: *Ramiella* Stephenson, 1921

27) *Ramiella heterochaeta* Michaelsen, 1922

Genus: *Wahoscolex* Julka, 1988

28) *Wahoscolex bidens* (Michaelsen, 1922)

29) *Wahoscolex bouchei* (Julka, 1988)

30) *Wahoscolex corethrurus* Michaelsen, 1922

31) *Wahoscolex curgensis* Julka, 1988

32) *Wahoscolex ditheca* Michaelsen, 1922

33) *Wahoscolex horai* Julka, 1988

34) *Wahoscolex markaraensis* Michaelsen, 1922

35) *Wahoscolex nandlensis* Julka, 1988

36) *Wahoscolex veereshi* Julka, 1988

Family: Moniligastridae

Genus: *Drawida* Michaelsen, 1900

37) *Drawida elegans* Rao, 1921

38) *Drawida kanarensis* Stephenson, 1917

39) *Drawida modesta* Rao, 1921

40) *Drawida paradoxa* Rao, 1921

41) *Drawida scandens* Rao, 1921

42) *Drawida somavarapatana* Rao, 1921

43) *Drawida bifida* Gates, 1945

44) *Drawida ferina* Gates, 1945

45) *Drawida nandiensis* Stephenson, 1924

46) *Drawida ampullacea* Gates, 1945

47) *Drawida calebi* Gates, 1945

48) *Drawida raui* Stephenson, 1921

49) *Drawida barwelli* (Beddard, 1886)

50) *Drawida barwelli impertusa* Stephenson, 1920

51) *Drawida ghatensis* Michaelsen, 1910

52) *Drawida lennora* Gates, 1945

53) *Drawida pellucida pallida* Michaelsen, 1910

54) *Drawida sulcata* Michaelsen, 1907

Family: Acanthodrilidae

Genus: *Plutellus* E. Perrier, 1873

55) *Plutellus dubariensis* Michaelsen, 1921

Family: Almididae

Genus: *Glyphidrilus* Horst, 1889

56) *Glyphidrilus annandelai* Michaelsen, 1910

Family: Glossoscolecidae

Genus: *Pontoscolex* Schmarda, 1861

57) *Pontoscolex corethrurus* Muller, 1856

Family: Ocnodrilidae

Genus: *Curgiona* Gates, 1941

58) *Curgiona narayani* Michaelsen, 1921

Genus: *Gordiodrilus* Beddard, 1892

59) *Gordiodrilus elegans* morph. *paski* Stephenson, 1928

Family: Megascolecidae

Genus: *Amyntas* Kinberg, 1867

60) *Amyntas diffringens* Baird, 1869

61) *Amyntas alexandri* (Beddard, 1900)

Genus: *Perionyx* Perrier, 1872

62) *Perionyx mysorensis* Stephenson, 1921

63) *Perionyx sansibaricus* Michaelsen, 1921

64) *Perionyx excavatus* Perrier, 1872

Genus: *Plutellus* E. Perrier, 1873

65) *Plutellus timidus* Cognetti, 1911

Genus: *Lampito* Kinberg, 1867

66) *Lampito mauritii* Kinberg, 1866

Genus: *Polypheretima* Michaelsen, 1934

67) *Polypheretima elongata* Perrier, 1872

Genus: *Metaphire* Sims and Easton, 1972

68) *Metaphire houletti* (Perrier, 1872)

Genus: *Megascolex* Templeton, 1844

69) *Megascolex curgensis* Michaelsen, 1921

70) *Megascolex konkanensis* Fedarb, 1898

71) *Megascolex pheretima* Michaelsen, 1926

72) *Megascolex porphyrozonus* Stephenson, 1924

73) *Megascolex filiciesta* (Michaelsen, 1910)

74) *Megascolex insignis* (Michaelsen, 1910)

75) *Megascolex lawsoni* (Bourne, 1886)

Family: Lumbricidae

Genus: *Eisenia* Orley, 1885

76) *Eisenia foetida* (Savigny, 1826)

### Kerala:

Family: Octochaetidae

Genus: *Dichogaster* Beddard, 1888

1) *Dichogaster affinis* (Michaelsen, 1890)

2) *Dichogaster bolau* (Michaelsen, 1891)

3) *Dichogaster annae* (Horst, 1893)

Genus: *Octochaetoides* Beddard, 1898

4) *Octochaetoides aitkeni* Beddard, 1898

Genus: *Octochaetona* Gates, 1962

5) *Octochaetona beatrix* Beddard, 1902

Genus: *Octochaetoides*

6) *Octochaetoides aitkeni* (Fedarb, 1898)

Genus: *Travoscolides* Michaelsen, 1910

7) *Travoscolides chengannures* (Aiyer, 1929)

8) *Travoscolides cochinchinensis* Michaelsen, 1910

9) *Travoscolides duodecimalis* Stephenson, 1915

10) *Travoscolides papilatus* Stephenson, 1915

11) *Travoscolides pilatus* (Stephenson, 1915)

Genus: *Parryodrilus* Julka, 1997

12) *Parryodrilus lavellei* Julka, Giri, Panigrahi & Senapati, 1997

Family: Lumbricidae

Genus: *Eisenia* Michaelsen, 1900

13) *Eisenia foetida* (Savigny, 1826)

Family: Moniligastridae

Genus: *Drawida* Michaelsen, 1900

14) *Drawida barwelli* (Beddard, 1886)

15) *Drawida brunnea* Stephenson, 1915

16) *Drawida fakir*, Cognetti, 1911

17) *Drawida ghatensis* Michaelsen, 1910

18) *Drawida matthaii* Michaelsen, 1910

19) *Drawida nilamburensis* (Bourne, 1894)

20) *Drawida parambukulamana* Stephenson, 1915

21) *Drawida travancorensis* Michaelsen, 1910

22) *Drawida barwelli* var. *impertusa* Stephenson, 1920

23) *Drawida circumpapillatus* Aiyer, 1929

- 24) *Drawida agricola* Stephenson, 1925  
 25) *Drawida pellucida pellucida* (Bourne, 1894)  
 26) *Drawida robusta* var. *cochinensis* Stephenson, 1925  
 27) *Drawida polydiverticula* Narayanan and Julka, 2017  
 28) *Drawida thomasi* Narayanan and Julka, 2017  
 29) *Drawida chalakudiana* Stephenson, 1915  
 30) *Drawida grandis* (Bourne, 1886)  
 31) *Drawida impertusa* Stephenson, 1920  
 32) *Drawida lennora* Gates, 1945  
 33) *Drawida parva* (Bourne, 1894)  
 34) *Drawida sulcata* Michaelsen, 1907  
 Genus: *Moniligaster* Perrier, 1872  
 35) *Moniligaster deshayesi* Perrier, 1872  
 36) *Moniligaster perrieri* Michaelsen, 1907  
 37) *Moniligaster dishayesi* var. *gravelyi* Michaelsen, 1915  
 38) *Moniligaster deshayesi* var. *minor* Michaelsen, 1914  
 39) *Moniligaster bahli* Narayanan *et al.*, 2021  
 40) *Moniligaster blakemorei* Narayanan *et al.*, 2021  
 41) *Moniligaster keralensis* Narayanan *et al.*, 2021  
 42) *Moniligaster cernovitovi* Gates, 1962  
 43) *Moniligaster horsti* Gates, 1940  
 44) *Moniligaster michaelseni* Gates, 1940  
 45) *Moniligaster stephensoni* Gates, 1940  
 46) *Moniligaster aiyeri* Gates, 1940  
 47) *Moniligaster gravelyi* Stephenson, 1915  
 Family: Acanthodrilidae  
 Genus: *Plutellus* E. Perrier, 1873  
 48) *Plutellus timidus* Cognetti, 1911.  
 49) *Plutellus variabilis* Aiyer, 1929.  
 Genus: *Argilophilus* Eisen, 1893  
 50) *Argilophilus variabilis* (Aiyer, 1929)  
 51) *Argilophilus timidus* (Cognetti, 1911)  
 Genus: *Pontodrilus* Perrier, 1874  
 52) *Pontodrilus bermudensis* Beddard, 1891.  
 53) *Pontodrilus litoralis* (Grube, 1855)  
 Family: Almididae  
 Genus: *Glyphidrilus* Horst, 1889  
 54) *Glyphidrilus annandalei* Michaelsen, 1910  
 55) *Progizzardus varadiamensis* Nair, 2010  
 Family: Glossoscolicidae  
 Genus: *Pontoscolex* Schmarda, 1861  
 56) *Pontoscolex corethrurus* Muller, 1856  
 Family: Ocnodrilidae  
 Genus: *Malabaria* Stephenson, 1924  
 57) *Malabaria biprostata* Aiyer, 1929  
 58) *Malabaria paludicola* Stephenson, 1924  
 59) *Malabaria oryzivora* (Stephenson, 1924)  
 Genus: *Ocnodrilus* Eisen, 1878  
 60) *Ocnodrilus occidentalis* Eisen, 1878  
 Genus: *Gordiodrilus* Beddard, 1892  
 61) *Gordiodrilus elegans* Beddard, 1892  
 Genus: *Nematogenia* Eisen, 1900  
 62) *Nematogenia panamaensis* (Eisen, 1900)  
 Family: Megascolecidae  
 Genus: *Pithemera* Perrier, 1875  
 63) *Pithemera bicincta* (Perrier, 1875)  
 Genus: *Perionyx* Perrier, 1872  
 64) *Perionyx sansibaricus* Michaelsen, 1891  
 65) *Perionyx silvicola* Stephenson, 1925  
 66) *Perionyx crassiseptatus* Stephenson, 1925  
 67) *Perionyx excavatus* Perrier, 1872  
 68) *Perionyx ceylanensis* Michaelsen, 1903  
 Genus: *Metaphire* Sims and Easton, 1972  
 69) *Metaphire houletti* (Perrier, 1872)  
 Genus: *Lampito* Kinberg, 1867  
 70) *Lampito mauritii* (Kinberg, 1867)  
 71) *Lampito kumiliensis* (Aiyer, 1929)  
 Genus: *Polypheretima* Michaelsen, 1934  
 72) *Polypheretima taprobanae* (Beddard, 1892)  
 73) *Polypheretima elongata* (Perrier, 1872)  
 Genus: *Camorodrilus* Stephenson, 1915  
 74) *Camorodrilus gravelyi* Stephenson, 1915  
 Genus: *Lennoascolex* Gates, 1960  
 75) *Lennoascolex tenmalai* Michaelsen, 1910  
 76) *Lennoascolex minimus* Ayer, 1929  
 77) *Lennoascolex peermadensis* Aiyer, 1929  
 78) *Lennoascolex travancorensis* Aiyer, 1929  
 79) *Lennoascolex kayankulamensis* Aiyer, 1929  
 Genus: *Megascolex* Templeton, 1844  
 80) *Megascolex cochinensis phaseolus* Stephenson, 1915  
 81) *Megascolex eunephrus* Cognetti, 1911  
 82) *Megascolex filiciseta* Stephenson, 1915  
 83) *Megascolex insignis* Michaelsen, 1910  
 84) *Megascolex kavalaianus* Stephenson, 1915  
 85) *Megascolex konkanensis konkanensis* Fedarb, 1898  
 86) *Megascolex polytheca zonatus* Stephenson, 1915  
 87) *Megascolex pumilio* Stephenson, 1916  
 88) *Megascolex ratus* Cognetti, 1911  
 89) *Megascolex travancorensis travancorensis* Michaelsen, 1910  
 90) *Megascolex trivandranus* Stephenson, 1916  
 91) *Megascolex auriculata* Aiyer, 1929  
 92) *Megascolex peermadensis* Aiyer, 1929  
 93) *Megascolex cochinensis phaseolus* Stephenson, 1915  
 94) *Megascolex konkanensis* var. *longus* Stephenson, 1915  
 95) *Megascolex polytheca* var. *zonatus* Stephenson, 1915  
 96) *Megascolex travancorensis* var. *quilonensis* Michaelsen, 1910  
 97) *Megascolex travancorensis* var. *ghatensis* Michaelsen, 1910  
 98) *Megascolex travancorensis bonaccordensis* Michaelsen, 1913  
 99) *Megascolex travancorensis* var. *pentagonalis* Stephenson, 1913  
 100) *Megascolex triangularis* Stephenson, 1925  
 101) *Megascolex travancorensis quilonensis* Michaelsen, 1910  
 102) *Megascolex travancorensis proboscidea* Aiyer, 1929  
 103) *Megascolex travancorensis pentagonalis* Stephenson, 1916  
 104) *Megascolex polytheca uniuus* Aiyer, 1929  
 105) *Megascolex polytheca polytheca* Stephenson, 1915  
 106) *Megascolex avicula* Aiyer, 1929



- Genus: *Notoscolex* Fletcher, 1886  
 107) *Notoscolex peermadensis* Aiyer, 1929  
 108) *Notoscolex travancorensis* Aiyer, 1929  
 109) *Notoscolex tenmalai tenmalai* (Michaelsen, 1910)  
 110) *Notoscolex tenmalai* karakulamensis (Stephenson, 1916)  
 111) *Notoscolex tenmalai ghatensis* Aiyer, 1929  
 112) *Notoscolex ponmudianus* Michaelsen, 1913  
 113) *Notoscolex minimus* Aiyer, 1929  
 114) *Notoscolex kayankulamensis* (Aiyer, 1929)  
 115) *Notoscolex hastatus* (Stephenson, 1915)
- Family: Eudrilidae  
 116) *Eudrilus eugeniae* (Kinberg, 1867)

**Lakshadweep & Minicoy Islands:**

- Family: Acanthodrilidae  
 Genus: *Pontodrilus* Perrier, 1874  
 1) *Pontodrilus bermudensis* Beddard, 1891
- Family: Megascolicidae  
 Genus: *Lampito* Kinberg, 1867  
 2) *Lampito mauritii* kinberg, 1866
- Genus: *Megascolex* Templeton, 1844  
 3) *Megascolex konkanensis* Fedarb, 1898

**Madhya Pradesh:**

- Family: Octochaetidae  
 Genus: *Barogaster* Gates, 1939  
 1) *Barogaster barodensis* Stephenson, 1914
- Genus: *Dichogaster* Beddard, 1888  
 2) *Dichogaster affinis* Michaelsen, 1890  
 3) *Dichogaster bolau* (Michaelsen, 1891)
- Genus: *Eudichogaster* Michaelsen, 1902  
 4) *Eudichogaster ashworthi* Michaelsen, 1902  
 5) *Eudichogaster prashadi* Stephenson, 1920
- Genus: *Eutyphous* Michaelsen, 1900  
 6) *Eutyphous incommodus* (Beddard, 1901)  
 7) *Eutyphous nicholsoni* (Beddard, 1901)  
 8) *Eutyphous waltoni* (Michaelsen, 1907)
- Genus: *Hoplochaetella* Stephenson, 1923  
 9) *Hoplochaetella khandalensis* (Stephenson, 1924)
- Genus: *Lennogaster* Gates, 1939  
 10) *Lennogaster elongatus* Gates, 1945  
 11) *Lennogaster falcifer* Stephenson, 1920  
 12) *Lennogaster pusillus* Stephenson, 1920
- Genus: *Octochaetona* Gates, 1962  
 13) *Octochaetona beatrix* (Beddard, 1902)  
 14) *Octochaetona paliensis* (Stephenson, 1920)  
 15) *Octochaetona prashadi* (Stephenson, 1920)  
 16) *Octochaetona surensis* (Michaelsen, 1910)
- Genus: *Pellogaster* Gates, 1939  
 17) *Pellogaster bengalensis* Michaelsen, 1910
- Genus: *Ramiella* Stephenson, 1921  
 18) *Ramiella bishambari* Stephenson, 1914
- Family: Moniligastridae  
 Genus: *Drawida* Michaelsen, 1900  
 19) *Drawida wilsii* Michaelsen, 1907  
 20) *Drawida calebi* Gates, 1945
- Family: Ocnerodrilidae  
 Genus: *Deccania* Gates, 1949  
 21) *Deccania alba* Gates, 1949
- Genus: *Malabaria* Stephenson, 1924  
 22) *Malabaria sulcata* Gates, 1936
- Genus: *Thatonia* Gates, 1942  
 23) *Thatonia parva* Gates, 1945

- Family: Megascolecidae  
 Genus: *Amyntas* Kinberg, 1867  
 24) *Amyntas alexandri* Beddard, 1900
- Genus: *Metaphire* Sims and Easton, 1972  
 25) *Metaphire posthuma* (Vaillant, 1868)  
 26) *Metaphire anomala* Michaelsen, 1907
- Genus: *Perionyx* Perrier, 1872  
 27) *Perionyx millard* Stephenson, 1915  
 28) *Perionyx sansibaricus* Michaelsen, 1891
- Genus: *Lampito* Kinberg, 1867  
 29) *Lampito mauritii* Kinberg, 1866
- Genus: *Polypheretima* Michaelsen, 1934  
 30) *Polypheretima elongata* Perrier, 1872
- Family: Lumbricidae  
 Genus: *Eisenia* Michaelsen, 1900  
 31) *Eisenia fetida* (Savigny, 1826)

**Manipur:**

- Family: Tubificidae  
 Genus: *Branchiura* Thorell, 1864  
 32) *Branchiura sowerbyi* Beddard, 1892
- Family: Octochaetidae  
 Genus: *Eutyphous* Michaelsen, 1900  
 33) *Eutyphous manipurensis manipurensis* Stephenson, 1921
- Genus: *Dichogaster* Beddard, 1888  
 34) *Dichogaster bolau* Michaelsen, 1891
- Genus: *Lennogaster*, Gates, 1939  
 35) *Lennogaster yeicus* Stephenson, 1931
- Family: Megascolecidae  
 Genus: *Amyntas* Kinberg, 1867  
 36) *Amyntas hawayanus* Rosa, 1891  
 37) *Amyntas diffringens* Baird, 1869  
 38) *Amyntas morrissi* Beddard, 1892  
 39) *Amyntas corticis* (Kinberg, 1866)
- Genus: *Perionyx* Perrier, 1872  
 40) *Perionyx excavatus* Perrier, 1872  
 41) *Perionyx shillongensis* Stephenson, 1920
- Genus: *Kanchuria* Julka, 1988  
 42) *Kanchuria sumerianus* Julka, 1988
- Genus: *Metaphire* Sims and Easton, 1972  
 43) *Metaphire birmanica* (Rosa, 1888)  
 44) *Metaphire houletti* (Gates, 1972)  
 45) *Metaphire anomala* (Michaelsen, 1907)  
 46) *Pheretima heterochaeta* (Stephenson, 1921)
- Family: Glossoscolecidae  
 Genus: *Pontoscolex* Schmarda, 1861  
 47) *Pontoscolex corethrurus* Muller, 1856
- Family: Moniligastridae  
 Genus: *Drawida* Michaelsen, 1900  
 48) *Drawida japonica* (Michaelsen, 1892)  
 49) *Drawida nepalensis* Michaelsen, 1907

**Maharashtra:**

- Family: Naididae  
 Genus: *Aulophorus* Schmarda, 1861  
 1) *Aulophorus tonkinensis* (Vejd , 1909)
- Genus: *Branchiodrilus* Michaelsen, 1900  
 2) *Branchiodrilus hortensis* (Stephenson, 1910)
- Genus: *Dero* Oken, 1815  
 3) *Dero limosa* (Leidy, 1914)
- Genus: *Nais* Muller, 1773  
 4) *Nais communis* var. *punjabensis* (Stephenson, 1909)  
 5) *Nais obtusa* (Gerv, 1909)  
 6) *Nais inaequalis* (Stephenson, 1911)

- Genus: *Pristina* Ehrenberg, 1828  
7) *Pristina aequisetata* (Bourn, 1889)
- Genus: *Haemonais* Bretscher, 1900  
8) *Haemonais laurentii* (Stephenson, 1915)
- Family: Tubificidae
- Genus: *Aulodrilus* Bretscher, 1899  
9) *Aulodrilus kashi* (Mehra, 1922)  
10) *Aulodrilus stephensoni* (Mehra, 1922)
- Genus: *Branchiura* Beddard, 1912  
11) *Branchiura sowerbyi* Beddard, 1912
- Family: Octochaetidae
- Genus: *Barogaster* Gates, 1939  
12) *Barogaster prashadi* Stephenson, 1920
- Genus: *Chaetochaetoides* Stephenson, 1920  
13) *Chaetochaetoides montanus* Stephenson, 1920
- Genus: *Dashiella* Julka, 1988  
14) *Dashiella khandalensis* Julka, 1988
- Genus: *Dichogaster* Beddard, 1888  
15) *Dichogaster affinis* Michaelsen, 1890  
16) *Dichogaster bolau* (Michaelsen, 1891)
- Genus: *Eudichogaster* Michaelsen, 1902  
17) *Eudichogaster ashworthi* Michaelsen, 1902  
18) *Eudichogaster indicus* (Beddard, 1896)  
19) *Eudichogaster kinniari* Stephenson, 1928  
20) *Eudichogaster mullani*, Stephenson, 1922  
21) *Eudichogaster poonensis* Fedarb, 1898  
22) *Eudichogaster prashadi* Stephenson, 1928  
23) *Eudichogaster parvus* (Feddarb, 1898)
- Genus: *Lenogaster* Gates, 1939  
24) *Lenogaster pusillus* Stephenson, 1920
- Genus: *Hoplochaetella* Gates, 1940  
25) *Hoplochaetella anomala* Stephenson, 1920  
26) *Hoplochaetella bifoveata* Stephenson, 1917  
27) *Hoplochaetella khandalensis* khandalensis Stephenson, 1924  
28) *Hoplochaetella khandalensis dichordarius* Stephenson, 1924  
29) *Hoplochaetella mullani* (Stephenson, 1924)  
30) *Hoplochaetella panchganiensis* Julka, 1988  
31) *Hoplochaetella powelli* (Stephenson, 1925)
- Genus: *Lenogaster* Gates, 1939  
32) *Lenogaster trichochaetus* Stephenson, 1920
- Genus: *Pellogaster* Gates, 1939  
33) *Pellogaster bengalensis* Michaelsen, 1910  
34) *Pellogaster simse* Julka, 1988
- Genus: *Octochaetona* Gates, 1962  
35) *Octochaetona beatrix* Beddard, 1902  
36) *Octochaetona paliensis* Stephenson, 1907  
37) *Octochaetona prashadi* Stephenson, 1920  
38) *Octochaetona surensis* (Michaelsen, 1920)
- Genus: *Octochaetus* Beddard, 1893  
39) *Octochaetus fermori* (Michaelsen, 1920)
- Genus: *Ramiella* Stephenson, 1921  
40) *Ramiella bishambari* Stephenson, 1914  
41) *Ramiella pallida* Stephenson, 1920
- Genus: *Rillogaster* Gates, 1939  
42) *Rillogaster matheranensis* Stephenson, 1924
- Genus: *Eutyphoeus* Michaelsen, 1900  
43) *Eutyphoeus incommodus* (Beddard, 1901)
- 44) *Eutyphoeus nicholsoni* (Beddard, 1901)  
45) *Eutyphoeus waltoni* Michaelsen, 1907  
46) *Eutyphoeus gigas* Stephenson, 1917  
47) *Eutyphoeus paivai* Michaelsen, 1907  
48) *Eutyphoeus orientalis* Beddard, 1883  
49) *Eutyphoeus pharpingianus* Michaelsen, 1907  
50) *Eutyphoeus masoni* (Bourn, 1889)  
51) *Eutyphoeus waltoni* Michaelsen, 1907  
52) *Eutyphoeus mohammedi* Stephenson, 1914
- Family: Acanthodrilidae
- Genus: *Pontodrilus* Perrier, 1874  
53) *Pontodrilus bermudensis* Beddard, 1891
- Family: Glossoscolecidae
- Genus: *Pontoscolex* Schmarda, 1861  
54) *Pontoscolex corethrurus* Muller, 1856
- Family: Ocnodrilidae
- Genus: *Ocnodrilus* Eisen, 1878  
55) *Ocnodrilus occidentalis* Eisen, 1878  
56) *Malabaria sulkata* Gates, 1945
- Family: Megascolecidae
- Genus: *Amyntus* Kinberg, 1867  
57) *Amyntus alexandri* (Beddard, 1900)  
58) *Amyntus morrisi* (Beddard, 1892)
- Genus: *Metaphire* Sims and Easton, 1972  
59) *Metaphire posthuma* (Vaillant, 1868)  
60) *Metaphire houletti* (Perrier, 1872)  
61) *Metaphire anomala* Michaelsen, 1907  
62) *Metaphire birmanica* (Rosa, 1888)  
63) *Metaphire elongata* (Perrier, 1909)
- Genus: *Perionyx* Perrier, 1872  
64) *Perionyx excavatus* Perrier, 1872  
65) *Perionyx millardi* Stephenson, 1915  
66) *Perionyx minimus* Stephenson, 1920  
67) *Perionyx pullus* Stephenson, 1920  
68) *Perionyx sansibaricus* Michaelsen, 1891
- Genus: *Lampito* Kinberg, 1867  
69) *Lampito mauritii* Kinberg, 1866
- Genus: *Polyphertima* Michaelsen, 1934  
70) *Polyphertima elongata* (Perrier, 1872)
- Family: Moniligastridae
- Genus: *Drawida* Michaelsen, 1900  
71) *Drawida wilsii* Michaelsen, 1907  
72) *Drawida calebi* Gates, 1945
- Family: Lumbricidae
- Genus: *Eisenia* Michaelsen, 1900  
73) *Eisenia foetida* (Savigny, 1826)  
74) *Allobophora papillatus* (Eisen, 1909)
- Family: Almidae
- Genus: *Glyphidrilus* Horst, 1889  
75) *Glyphidrilus tuberosus* Stephenson, 1916  
76) *Glyphidrilus papillatus* (Rosa, 1890)

**Meghalaya:**

Family: Octochaetidae

Genus: *Dichogaster* Beddard, 1888

- 1) *Dichogaster affinis* Michaelsen, 1890
- 2) *Dichogaster bolau* (Michaelsen, 1891)
- 3) *Dichogaster modigliani* Rosa, 1876
- 4) *Dichogaster saliens* Beddard, 1893.

Genus: *Eutyphous* Michaelsen, 1900

- 5) *Eutyphoeus callosus* Gates, 1938
- 6) *Eutyphoeus festiosus* Gates, 1938
- 7) *Eutyphoeus gammiei* Beddard, 1888
- 8) *Eutyphoeus turaensis* Stephenson, 1920

## Family: Moniligastridae

Genus: *Drawida* Michaelsen, 1900

- 9) *Drawida nepalensis* Michaelsen, 1907
- 10) *Drawida montana* Gates, 1945
- 11) *Drawida assamensis* Gates, 1945
- 12) *Drawida papillifer papillifer* Stephenson, 1924

## Family: Almididae

Genus: *Glyphidrilus* Horst, 1889

- 13) *Glyphidrilus spelaeotes* Stephenson, 1924

## Family: Glossoscolicidae

Genus: *Pontoscolex* Schmarda, 1861

- 14) *Pontoscolex corethrurus* Muller, 1856

## Family: Megascolicidae

Genus: *Amyntas* Kinberg, 1867

- 15) *Amyntas hawayanus* Rosa, 1891
- 16) *Amyntas diffringens* Baird, 1869
- 17) *Amyntas morrisoni* Beddard, 1892
- 18) *Amyntas papilio papilio* Gates, 1930

Genus: *Metaphire* Sims and Easton, 1972

- 19) *Metaphire planata* Gates, 1926
- 20) *Metaphire posthuma* (Vaillant, 1926)
- 21) *Metaphire houletti* Perrin, 1872

Genus: *Perionyx* Perrier, 1872

- 22) *Perionyx excavatus* Perrier, 1888
- 23) *Perionyx fossus* Stephenson, 1920
- 24) *Perionyx machintoshi* Beddard, 1883
- 25) *Perionyx modestus* Stephenson, 1922
- 26) *Perionyx shillongensis* Stephenson, 1920
- 27) *Perionyx turaensis* Stephenson, 1920
- 28) *Perionyx horai* Stephenson, 1924

Genus: *Nellosocolex* Gates, 1960

- 29) *Nellosocolex barkilli* Michaelsen, 1907
- 30) *Nellosocolex parvus* Gates, 1939
- 31) *Nellosocolex strigosus* Gates, 1939

Genus: *Tonoscolex* Gates, 1933

- 32) *Tonoscolex horai* Stephenson, 1922

Genus: *Kanchuria* Stephenson, 1924

- 33) *Kanchuria antrophye* Stephenson, 1924
- 34) *Kanchuria octotheca* Julka, 1988
- 35) *Kanchuria sumerianus* Julka, 1987
- 36) *Kanchuria turaensis* Julka, 1987

**Mizoram:**

## Family: Octochaetidae

Genus: *Eutyphoeus* Michaelsen, 1900

- 1) *Eutyphoeus gigas* Stephenson, 1917
- 2) *Eutyphoeus mizoramensis* Julka *et al.*, 2005

**Nagaland:**

## Family: Moniligastridae

Genus: *Drawida* Michaelsen, 1900

- 1) *Drawida nagana* Gates, 1945

## Family: Megascolicidae

Genus: *Perionyx* Perrier, 1872

- 2) *Perionyx rufulus* Gates, 1945
- 3) *Perionyx machintoshi* Beddard, 1883

**Odisha:**

## Family: Octochaetidae

Genus: *Dichogaster* Beddard, 1888

- 1) *Dichogaster affinis* Michaelsen, 1890
- 2) *Dichogaster bolau* Michaelsen, 1891
- 3) *Dichogaster modigliani* Rosa, 1896

Genus: *Eutyphoeus* Michaelsen, 1900

- 4) *Eutyphoeus kherai* Julka, 1989
- 5) *Eutyphoeus incommodus* (Beddard, 1910)

Genus: *Lenogaster* Gates, 1939

- 6) *Lenogaster pussilus* Stephenson, 1920

Genus: *Octochaetona* Gates, 1962

- 7) *Octochaetona barkudensis* (Stephenson, 1916)
- 8) *Octochaetona beatrix* (Beddard, 1902)
- 9) *Octochaetona surensis* (Michaelsen, 1910)

Genus: *Pellogaster* Gates, 1939

- 10) *Pellogaster bengalensis* (Michaelsen, 1910)

Genus: *Ramiella* Stephenson, 1921

- 11) *Ramiella bishambari* (Stephenson, 1914)
- 12) *Ramiella sundargarhensis* Julka, 1978

## Family: Moniligastridae

Genus: *Drawida* Michaelsen, 1900

- 13) *Drawida wilsii* Michaelsen, 1907
- 14) *Drawida lamella* Gates, 1934
- 15) *Drawida calebi* Gates, 1945

## Family: Pontodrilidae

Genus: *Pontodrilus* Perrier, 1874

- 16) *Pontodrilus bermudensis* Beddard, 1891

## Family: Almididae

Genus: *Glyphidrilus* Horst, 1889

- 17) *Glyphidrilus tuberosus* Stephenson, 1916

## Family: Aludrilidae

Genus: *Deccania* Gates, 1949

- 18) *Deccania alba* Gates, 1949

Genus: *Malabaria* Stephenson, 1924

- 19) *Malabaria biprostata* Aiyer, 1929
- 20) *Malabaria sulcata* Gates, 1936

Genus: *Ocnerodrilus* Eisen, 1878

- 21) *Ocnerodrilus occidentalis* Eisen, 1878

## Family: Criodrilidae

Genus: *Criodrilus* Hoffmeister, 1845

- 22) *Criodrilus lacuum* Hoffmeister, 1845

## Family: Ocnerodrilidae

Genus: *Thatonia* Gates, 1942

- 23) *Thatonia gracilis* Gates, 1942
- 24) *Thatonia bolangirensis* Julka, 1976
- 25) *Thatonia sambalpurensis* Julka, 1976

## Family: Megascolicidae

Genus: *Metaphire* Sims and Easton, 1972

- 26) *Metaphire planata* Gates, 1926
- 27) *Metaphire posthuma* (Vaillant, 1868)

Genus: *Perionyx* Perrier, 1872

- 28) *Perionyx excavatus* Perrier, 1888
- 29) *Perionyx millardi* Stephenson, 1915
- 30) *Perionyx sansibaricus* Michaelsen, 1891
- 31) *Perionyx shyamasreetus*, Ghosh *et al.*, 2018

Genus: *Lamito* Kinberg, 1867

- 32) *Lamito mauritii* Kinberg, 1866

**Punjab:**

## Family: Megascolicidae

Genus: *Lampito* Kinberg, 1867

- 1) *Lampito mauritii* Kinberg, 1867

Genus: *Amyntas* Kinberg, 1867

- 2) *Amyntas hawayanus* Rosa, 1891
- 3) *Amyntas alexandri* Beddard, 1900

Genus: *Metaphire* Sims and Easton, 1972  
 4) *Metaphire posthuma* (Vaillant, 1868)  
 5) *Metaphire houlletii* Perrier, 1872  
 6) *Metaphire anomala* (Gates, 1972)  
 Genus: *Perionyx* Perrier, 1872  
 7) *Perionyx annadalei* (Michaelsen, 1907)  
 Family: Almidae  
 Genus: *Glyphidrilus* Horst, 1889  
 8) *Glyphidrilus tuberosus* Stephenson, 1916  
 Family: Octochaetidae  
 Genus: *Eutyphous* Michaelsen, 1900  
 9) *Eutyphoeus incommodus* Beddard, 1901  
 10) *Eutyphoeus waltoni* Michaelsen, 1907  
 Genus: *Octochaetona* Gates, 1962  
 11) *Octochaetona beatrix* Beddard, 1902  
 Family: Moniligastridae  
 Genus: *Drawida* Michaelsen, 1900  
 12) *Drawida nepalensis* Michaelsen, 1907  
 Family: Lumbricidae  
 Genus: *Aporrectodea* Orley, 1885  
 13) *Aporrectodea turgida* (Eisen, 1873)  
 Genus: *Bimastos* Moore, 1893  
 14) *Bimastos parvus* (Eisen, 1874)

**Rajasthan:**  
 Family: Octochaetidae  
 Genus: *Dichogaster* Beddard, 1888  
 1) *Dichogaster bolau* (Michaelsen, 1891)  
 Genus: *Eudichogaster* Michaelsen, 1902  
 2) *Eudichogaster prashadi* Stephenson, 1920  
 Genus: *Eutyphoeus* Michaelsen, 1900  
 3) *Eutyphoeus incommodus* Beddard, 1902  
 4) *Eutyphoeus waltoni* Michaelsen, 1907  
 5) *Eutyphoeus turaensis* Stephenson, 1920  
 Genus: *Octochaetona* Gates, 1962  
 6) *Octochaetona Beatrix* Beddard, 1902.  
 7) *Octochaetona surensis* (Michaelsen, 1910)  
 Genus: *Ramiella* Stephenson, 1921  
 8) *Ramiella bishambari* (Stephenson, 1914)  
 Family: Lumbricidae  
 Genus: *Aporrectodea* Orley, 1885  
 9) *Aporrectodea trapezoidis* (Duges, 1828)  
 Genus: *Bimastos* Moore, 1893  
 10) *Bimastos parvus* Eisen, 1874  
 Family: Megascolecidae  
 Genus: *Amyntas* Kinberg, 1867  
 11) *Amyntas hawayanus* Rosa, 1891  
 12) *Amyntas morrisi* Beddard, 1872  
 Genus: *Metaphire* Sims and Easton, 1972  
 13) *Metaphire posthuma* (Vaillant, 1868)  
 Genus: *Lampito* Kinberg, 1867  
 14) *Lampito mauritii* Kinberg, 1866  
 Genus: *Perionyx* Beddard, 1895  
 15) *Perionyx graveleyi* Stephenson, 1917  
 Family: Ocnodrilidae  
 Genus: *Ocnodrilus* Eisen, 1878  
 16) *Ocnodrilus occidentalis* Eisen, 1878  
 Family: Lumbriculidae  
 Genus: *Eisenia* Malm, 1877  
 17) *Eisenia fetida* (Savigny, 1826)  
 Family: Moniligastridae  
 Genus: *Drawida* Michaelsen, 1900  
 18) *Drawida nepalensis* Michaelsen, 1907

**Sikkim:**

Family: Octochaetidae  
 Genus: *Dichogaster* Beddard, 1888  
 1) *Dichogaster bolau* Michaelsen, 1891  
 2) *Dichogaster modigliani* Rosa, 1890  
 3) *Dichogaster saliens* Beddard, 1893  
 Family: Lumbricidae  
 Genus: *Apporectodea* Orley, 1885  
 4) *Apporectodea trapezoides* Duges, 1828  
 Genus: *Dendrobaena* Eisen, 1873  
 5) *Dendrobaena rubida* Savigny, 1826  
 Genus: *Eisenia* Michaelsen, 1900  
 6) *Eisenia foetida* Savigny, 1826  
 7) *Eisenia rosea* Savigny, 1826  
 Genus: *Eiseniella* Michaelsen, 1900  
 8) *Eiseniella tetraedra* Savigny, 1826  
 Genus: *Octolasion* Orley, 1885  
 9) *Octolasion tyetaenum* Savigny, 1826  
 Family: Moniligastridae  
 Genus: *Drawida* Michaelsen, 1900  
 10) *Drawida nepalensis* Michaelsen, 1907  
 Family: Acanthodrilidae  
 Genus: *Plutillus* E. Perrier, 1873  
 11) *Plutillus himalayanus* Gates, 1945  
 Family: Ocnodrilidae  
 Genus: *Gordiodrilus* Beddard, 1892  
 12) *Gordiodrilus elegans* morph. *Paski*. Stephenson, 1928  
 Genus: *Eukerria* Michaelsen, 1935  
 13) *Eukerria kuekenthali* Michaelsen, 1908  
 Family: Megascolecidae  
 Genus: *Amyntas* Kinberg, 1867  
 14) *Amyntas hawayanus* Rosa, 1891  
 15) *Amyntas diffringens* Bairel, 1869  
 16) *Amyntas robustus* Perrier, 1872  
 17) *Amyntas corticis* (Kinberg, 1867)  
 Genus: *Metaphire* Sims and Easton, 1972  
 18) *Metaphire posthuma* (Vaillant, 1868)  
 Genus: *Perionyx* Perrier, 1872  
 19) *Perionyx excavatus* Perrier, 1888  
 20) *Perionyx sikkimensis* Michaelsen, 1923  
 21) *Perionyx variegatus* Michaelsen, 1907

**Tamil Nadu:**  
 Family: Octochaetidae  
 Genus: *Celeriella* Gates, 1958  
 1) *Celeriella bursata* Jamieson, 1977  
 2) *Celeriella ditheca* Stephenson, 1924  
 3) *Celeriella duodecimalis* Michaelsen, 1907  
 4) *Celeriella kemp* Stephenosn, 1924  
 5) *Celeriella punctata* Jamieson, 1924  
 6) *Celeriella quadripappilatus* Stephenson, 1924  
 7) *Celeriella regularis* Stephenson, 1924  
 Genus: *Dichogaster* Beddard, 1888  
 8) *Dichogaster annae* (Horst, 1893)  
 9) *Dichogaster bolau* (Michaelsen, 1891)  
 10) *Dichogaster regularis* Stephenson, 1924  
 Genus: *Hoplochaetella* Bourne, 1886  
 11) *Hoplochaetella stuarti* Bourne, 1886  
 Genus: *Octochaetona* Gates, 1962  
 12) *Octochaetona barnesi* Stephenson, 1956  
 13) *Octochaetona maindroni* (Michaelsen, 1907)  
 14) *Octochaetona pattoni* Michaelsen, 1907

- 15) *Octochaetona serrata* Gates, 1945  
 16) *Octochaetona thurstoni* Michaelsen, 1907  
 17) *Octochaetona chennaiensis* (Mandal et al., 2017)  
 18) *Octochaetona surensis* Michaelsen, 1907  
 Genus: *Ramiella* Stephenson, 1921  
 19) *Ramiella bishambari* (Stephenson, 1914)  
 Genus: *Pellogaster* Gates, 1939  
 20) *Pellogaster isabelle* Gates, 1945  
 Genus: *Priodochaeta* Bourne, 1894  
 21) *Priodochaeta pellucida* Bourne, 1894  
 Genus: *Wahoscolex* Julka, 1988  
 22) *Wahoscolex veereshi* Julka, 1988  
 Family: Lumbricidae  
 Genus: *Aporrectodea* Orley, 1885  
 23) *Aporrectodea trapezoides* Duges, 1828  
 24) *Aporrectodea rosea* (Savigny, 1826)  
 Genus: *Bimastos* Moore, 1893  
 25) *Bimastos parvus* Eisen, 1874  
 Genus: *Dendrobaena* Eisen, 1873  
 26) *Dendrobaena octaedra* (Savigny, 1826)  
 27) *Dendrobaena rubidus* (Savigny, 1826)  
 Genus: *Eisenia* Michaelsen, 1900  
 28) *Eisenia foetida* (Savigny, 1826)  
 29) *Eisenia rosea* (Savigny, 1826)  
 Genus: *Eiseniella* Michaelsen, 1900  
 30) *Eiseniella tetraedra* (Savigny, 1826)  
 Family: Eudrilidae  
 Genus: *Eudrilus* Perrier, 1871  
 31) *Eudrilus eugeniae* Kinberg, 1867  
 Genus: *Octolasion* Orley, 1885  
 32) *Octolasion cyaneum* (Savigny, 1826)  
 33) *Octolasion tyrtaeum* (Savigny, 1826)  
 Family: Moniligastridae  
 Genus: *Drawida* Michaelsen, 1900  
 34) *Drawida annandalei* Stephenson, 1913  
 35) *Drawida barwelli* (Beddard, 1886)  
 36) *Drawida calebi* Gates, 1945  
 37) *Drawida caenosa* Gates, 1945  
 38) *Drawida coonoorensis* Gates, 1945  
 39) *Drawida dolosa* Gates, 1945  
 40) *Drawida chlorina* (Bourne, 1894)  
 41) *Drawida fausta* Gates, 1945  
 42) *Drawida grandis* Bourne, 1894  
 43) *Drawida loricata* Gates, 1945  
 44) *Drawida minuta* (Bourne, 1887)  
 45) *Drawida modesta* Rao, 1921  
 46) *Drawida naduvatamensis* (Bourne, 1894)  
 47) *Drawida parva* Bourne, 1894  
 48) *Drawida nandiensis* Stephenson, 1924  
 49) *Drawida parva* Bourne, 1894  
 50) *Drawida pellucida pallida* Michaelsen, 1910  
 51) *Drawida pellucida pellucida* (Bourne, 1894)  
 52) *Drawida pellucid raoi* Stephenson, 1926  
 53) *Drawida ramnadana* Michaelsen, 1907  
 54) *Drawida robusta* (Bourne, 1887)  
 55) *Drawida sapphirinoides* (Bourne, 1894)  
 56) *Drawida schunkarai* Michaelsen, 1914  
 57) *Drawida sulcata* Michaelsen, 1907  
 58) *Drawida uniuqa* (Bourne, 1887)  
 59) *Drawida caenosa* Gates, 1945  
 60) *Drawida exilis* Gates, 1945  
 61) *Drawida loricata* Gates, 1945  
 62) *Drawida robusta* var. *ophidioides* (Bourne, 1894)  
 63) *Drawida robusta robusta* Bourne, 1887  
 64) *Drawida rubra* (Bourne, 1887)  
 65) *Drawida scandens* Rao, 1921  
 66) *Drawida sapphirinaoides* (Bourne, 1887)  
 67) *Drawida willsi* Michaelsen, 1907  
 Genus: *Moniligaster* Perrier, 1872  
 68) *Moniligaster cernosvitovi* Gates, 1962  
 69) *Moniligaster deshayesi deshayesi* Perrier, 1972  
 70) *Moniligaster perrieri* Michaelsen, 1907  
 71) *Moniligaster horsti* Gates, 1940  
 72) *Moniligaster michaelsoni* Gates, 1940  
 73) *Moniligaster stephensoni* Gates, 1940  
 74) *Moniligaster troyi* Jamieson, 1977  
 Family: Acanthodrilidae  
 Genus: *Plutellus* E. Perrier, 1873  
 75) *Plutellus aquatilis* Stephenson, 1921  
 76) *Plutellus indicus* Michaelsen, 1907 f. typical  
 77) *Plutellus palniensis* Michaelsen, 1907  
 78) *Plutellus campsiensis* Stephenson, 1924  
 79) *Plutellus indicus* var. *silvestris* Michaelsen, 1907  
 80) *Plutellus kempfi* Stephenson, 1924  
 81) *Plutellus macrochaetis* Stephenson, 1925  
 82) *Plutellus rallus* Gates, 1945  
 Genus: *Pontodrilus* Perrier, 1874  
 83) *Pontodrilus bermudensis* Beddard, 1891  
 Family: Almdae  
 Genus: *Glyphidrilus* Horst, 1889  
 84) *Glyphidrilus annandalei* Michaelsen, 1910  
 85) *Glyphidrilus tuberosus* Stephenson, 1916  
 Family: Glossoscolicidae  
 Genus: *Pontoscolex* Schmarda, 1861  
 86) *Pontoscolex corethrurus* (Muller, 1856)  
 Family: Megascocleidae  
 Genus: *Amyntas* Kinberg, 1867  
 87) *Amyntas diffringens* (Baired, 1809)  
 88) *Amyntas corticis* (Kinberg, 1867)  
 89) *Amyntas burliarensis* (Burne, 1886)  
 Genus: *Argilophilus* Michaelsen, 1907  
 90) *Argilophilus aquatilis* (Stephenson, 1921)  
 91) *Argilophilus campsiaulus* (Stephenson, 1924)  
 92) *Argilophilus indicus indicus* (Michaelsen, 1907)  
 93) *Argilophilus indicus sylvestris* (Michaelsen, 1907)  
 94) *Argilophilus kempfi* (Stephenson, 1924)  
 95) *Argilophilus macrochaetus macrochaetus* (Stephenson, 1925)  
 96) *Argilophilus macrochaetus simplicisetus* (Jamieson, 1977)  
 97) *Argilophilus rallus* (Gates, 1945)  
 98) *Argilophilus palniensis* (Michaelsen, 1907)  
 Genus: *Celeriella* Gates, 1958  
 99) *Celeriella bursata* Jamieson, 1977  
 100) *Celeriella ditheca* (Stephenson, 1924)

- 101) *Celeriella duodecimalis* (Michaelsen, 1907)  
 102) *Celeriella kemp* (Stephenson, 1924)  
 103) *Celeriella punctata* Jamieson, 1977  
 104) *Celeriella quadripapillatus* (Stephenson, 1924)  
 105) *Celeriella regularis* (Stephenson, 1924)  
 Genus: *Diprochaeta* Bourne, 1894  
 106) *Diprochaeta pellucida* (Bourne, 1894)  
 Genus: *Perionyx* Perrier, 1872  
 107) *Perionyx excavatus* Perrier, 1888  
 108) *Perionyx saltans* Burne, 1886  
 109) *Perionyx sansibaricus* Michaelsen, 1891  
 110) *Perionyx ceylanensis* Jamieson, 1977  
 Genus: *Lampito* Kinberg, 1867  
 111) *Lampito marianae* (Stephenson, 1924)  
 112) *Lampito mauritii* Kinberg, 1866  
 113) *Lampito kemp* Gates, 1938  
 114) *Lampito palniensis* Stephenson, 1907  
 115) *Lampito sylvicola* Michaelsen, 1907  
 116) *Lampito vilpattiensis* Michaelsen, 1907  
 117) *Lampito bouchei* Jamieson, 1977  
 118) *Lampito kumiliensis* (Aiyer, 1929)  
 Genus: *Metaphire* Sims and Easton, 1972  
 119) *Metaphire houletti* (Perrier, 1872)  
 Genus: *Polypheretima* Michaelsen, 1934  
 120) *Polypheretima elongata* (Perrier, 1872)  
 Genus: *Notoscolex* Fletcher, 1866  
 121) *Notoscolex scutarius* Michaelsen, 1907  
 122) *Notoscolex palniensis* Stephenson, 1924  
 Genus: *Megascolex* Templeton, 1844  
 123) *Megascolex hendersoni* Michaelsen, 1907  
 124) *Megascolex impeatrix* Bourne, 1894  
 125) *Megascolexkonkanensis* Fedarb, 1898  
 126) *Megascolex lawsoni* (Bourne, 1886)  
 127) *Megascolex gracilis* (Bourne, 1886)  
 128) *Megascolex hulikalensis* (Bourne, 1886)  
 Genus: *Pontodrilus* Perrier, 1874  
 129) *Pontodrilus litoralis* (Grube, 1855)  
 Genus: *Travoscolides* Gates, 1940  
 130) *Travoscolides dorsochaetus* Jamieson, 1977  
 Genus: *Troyia* Jamieson, 1977  
 131) *Troyia gundarshola* Jamieson, 1977

**Tripura:**

Family: Octochaetidae

Genus: *Eutyphous* Michaelsen, 1900

- 1) *Eutyphoeus comillahnus* Michaelsen, 1907  
 2) *Eutyphoeus gammiei* (Beddard, 1888)  
 3) *Eutyphoeus turaensis* Stephenson, 1920  
 4) *Eutyphoeus scutarius* Michaelsen, 1907  
 5) *Eutyphoeus gigas* Stephenson, 1917  
 6) *Eutyphoeus assamensis* Stephenson, 1926  
 Genus: *Dichogaster* Beddard, 1888  
 7) *Dichogaster modigliani* (Rosa, 1896)  
 8) *Dichogaster bolau* (Michaelsen, 1891)

Family: Moniligastridae

Genus: *Drawida* Michaelsen, 1900

- 9) *Drawida nepalensis* Michaelsen, 1907  
 10) *Drawida lamella* Gates, 1934  
 11) *Drawida papillifer papillifer* Stephenson, 1917

Family: Almididae

Genus: *Glyphidrilus* Horst, 188912) *Glyphidrilus spelaeotis* Stephenson, 192413) *Glyphidrilus tuberosus* Stephenson, 1916

Family: Glossoscolecidae

Genus: *Pontoscolex* Schmarda, 186114) *Pontoscolex corethrurus* (Muller, 1856)

Family: Ocnerodrilidae

Genus: *Gordiorilus* Beddard, 189215) *Gordiorilus elegans* morph. *paski* Stephenson, 1928

Family: Megascolecidae

Genus: *Perionyx* Perrier, 187216) *Perionyx excavatus* (Perrier 1888)Genus: *Lampito* Kinberg, 186717) *Lampito mauritii* Kinberg, 1866Genus: *Polypheretima* Michaelsen, 193418) *Polypheretima elongata* (Perrier, 1872)Genus: *Kanchuria* Julka, 198719) *Kanchuria sumerianus* Julka, 1987Genus: *Metaphire* Sims and Easton, 197220) *Metaphire houletti* (Perrier, 1872)21) *Metaphire penguana* (Rosa, 1890)22) *Metaphire planata* (Gates, 1926)23) 24) *Metaphire posthuma* (Vaillant, 1868)Genus: *Amyntas* Kinberg, 186724) *Amyntas alexandri* Beddard, 1900**Uttar Pradesh:**

Family: Octochaetidae

Genus: *Bahlia* Gates, 19451) *Bahlia albida* Gates, 1945Genus: *Barogaster* Gates, 19402) *Barogaster prashadi* Stephenson, 1920Genus: *Dichogaster* Beddard, 18883) *Dichogaster bolau* (Michaelsen, 1891)Genus: *Pellogaster* Gates, 19394) *Pellogaster bengalensis* (Michaelsen, 1910)Genus: *Eutyphous* Michaelsen, 19005) *Eutyphoeus annandelei* (Michaelsen, 1907)6) *Eutyphoeus incommodus* Beddard, 19017) *Eutyphoeus nainanus* Michaelsen, 19078) *Eutyphoeus nicholsoni* Beddard, 18839) *Eutyphoeus orientalis* Beddard, 188310) *Eutyphoeus quadripapillatus* Michaelsen, 190711) *Eutyphoeus waltoni* Michaelsen, 190712) *Eutyphoeus pharpiangianus* Michaelsen, 1907Genus: *Lenogaster* Gates, 193913) *Lenogaster elongatus* (Gates, 1945)14) *Lenogaster pussilus* (Stephenson, 1920)15) *Lenogaster parvus* Fedarb, 1898Genus: *Octochaetona* Gates, 196216) *Octochaetona beatrix* (Beddard, 1902)17) *Octochaetona surensis* (Michaelsen, 1910)Genus: *Ramiella* Stephenson, 192118) *Ramiella bishambari* (Stephenson, 1914)19) *Ramiella nainiana* Gates, 1945

Family: Lumbricidae

Genus: *Aporrectodea* Orley, 188520) *Aporrectodea trapezoides* (Duges, 1828)

- Genus: *Bimastos* Moore, 1893  
 21) *Bimastos parvus* Eisen, 1874
- Genus: *Dendrobaena* Eisen, 1873  
 22) *Dendrobaena rubida* Savigny, 1826
- Genus: *Eisenia* Michaelsen, 1900  
 23) *Eisenia rosea* (Savigny, 1826)  
 24) *Eisenia foetida* (Savigny, 1826)
- Genus: *Eisinella* Michaelsen, 1900  
 25) *Eisinella tetraedra* (Savigny, 1826)
- Genus: *Lumbricus* Linnaeus, 1758  
 26) *Lumbricus eisenia* Levenson, 1834
- Genus: *Octolasion*, Orley, 1885  
 27) *Octolasion cyaneum* (Savigny, 1820)  
 28) *Octolasion tyraenum* (Savigny, 1826)
- Family: Moniligastridae  
 Genus: *Drawida* Michaelsen, 1900  
 29) *Drawida nepalensis* Michaelsen, 1907  
 30) *Drawida japonica* (Michaelsen, 1892)  
 31) *Drawida wilsii* Michaelsen, 1907  
 32) *Drawida calebi* Gates, 1945
- Family: Almidae  
 Genus: *Glyphidrilus* Horst, 1889  
 33) *Glyphidrilus gangeticus* Gates, 1955
- Family: Ocnodrilidae  
 Genus: *Malabaria* Stephenson, 1924  
 34) *Malabaria sulcata* Gates, 1936
- Genus: *Ocnodrilus* Eisen, 1878  
 35) *Ocnodrilus occidentalis* Eisen, 1878
- Family: Megascolecidae  
 Genus: *Amyntas* Kinberg, 1867  
 36) *Amyntas alexandri* Beddard, 1900  
 37) *Amyntas hawayanus* (Rosa, 1891)  
 38) *Amyntas diffringens* (Baird, 1809)  
 39) *Amyntas morrissi* (Beddard, 1892)  
 40) *Amyntas maxmus* (Cognetti de Martis, 1915)  
 41) *Amyntas corticis* (Kinberg, 1866)
- Genus: *Metaphire* Sims and Easton, 1972  
 38) *Metaphire posthuma* (Vaillant, 1868)  
 39) *Metaphire anomala* (Michaelsen, 1907)  
 32) *Metaphire houlleti* (Perrier, 1872)  
 33) *Metaphire birmanica* (Rosa, 1888)
- Genus: *Perionyx* Perrier, 1872  
 34) *Perionyx bainii* Stephenson, 1915  
 35) *Perionyx excavatus* Perrier 1888  
 36) *Perionyx nainanus* (Michaelsen, 1907)  
 37) *Perionyx sansibaricus* Michaelsen, 1907  
 38) *Perionyx simlaensis* Michaelsen, 1907
- Genus: *Lampito* Kinberg, 1867  
 39) *Lampito mauritii* Kinberg, 1866
- Genus: *Polyphertima* Michaelsen, 1934  
 40) *Polyphertima elongata* (Perrier, 1872)
- Family: Eudrilidae  
 Genus: *Eudrilus* Perrier, 1871  
 41) *Eudrilus eugeniae* Kinberg, 1867
- Uttarakhand:**
- Family: Octochaetidae  
 Genus: *Dichogaster* Beddard, 1888  
 1) *Dichogaster bolau* Michaelsen, 1891
- Genus: *Pellogaster* Gates, 1939  
 2) *Pellogaster bengalensis* Michaelsen, 1910
- Genus: *Eutyphous* Michaelsen, 1900  
 3) *Eutyphous annandelei* Michaelsen, 1907  
 4) *Eutyphous incommodus* Beddard, 1901  
 5) *Eutyphous nainanus* Michaelsen, 1907
- 6) *Eutyphoeus nicholsoni* Beddard, 1883  
 7) *Eutyphoeus orientalis* Beddard, 1883  
 8) *Eutyphoeus waltoni* Michaelsen, 1907  
 9) *Eutyphoeus pharppingianus* Michaelsen, 1907  
 10) *Eutyphoeus kemp* Stephenson, 1914
- Genus: *Lennogaster* Gates, 1939  
 11) *Lennogaster parvus* (Fedarb, 1898)  
 12) *Lennogaster pusillus* Stephenson, 1920
- Genus: *Octochaetona* Gates, 1962  
 13) *Octochaetona beatrix* Beddard, 1902  
 14) *Octochaetona surensis* (Michaelsen, 1910)
- Genus: *Ramiella* Stephenson, 1921  
 15) *Ramiella bishambari* Stephenson, 1914
- Family: Lumbricidae  
 Genus: *Dendrodrilus* Omodeo, 1956  
 16) *Dendrodrilus rubidus* (Savigny, 1826)
- Genus: *Aporrectodea* Orley, 1885  
 17) *Aporrectodea caliginosa trapezoides* Duges, 1828
- Genus: *Eisenia* Michaelsen, 1900  
 18) *Eisenia foetida* (Savigny, 1826)
- Genus: *Eisinella* Michaelsen, 1900  
 19) *Eisinella tetraedra* Savigny, 1826
- Genus: *Lumbricus*  
 20) *Lumbricus eisenia* Levenson, 1834
- Genus: *Octolasion*, Orley, 1885  
 21) *Octolasion cyaneum* Savigny, 1820  
 22) *Octolasion tyraenum* Savigny, 1826
- Genus: *Allobophora* Eisen, 1874  
 23) *Allobophora parva* Eisen, 1874  
 25) *Allobophora eiseni* Levisen, 1874
- Family: Moniligastridae  
 Genus: *Drawida* Michaelsen, 1900  
 26) *Drawida nepalensis* Michaelsen, 1907  
 27) *Drawida japonica* Michaelsen, 1892  
 28) *Drawida wilsii* Michaelsen, 1907
- Family: Almidae  
 Genus: *Glyphidrilus* Horst, 1889  
 29) *Glyphidrilus tuberosus* Stephenson, 1916
- Family: Ocnodrilidae  
 Genus: *Ocnodrilus* Eisen, 1878  
 30) *Ocnodrilus occidentalis* Eisen, 1878
- Family: Acanthodrilidae  
 Genus: *Plutellus* Perrier, 1873  
 31) *Plutellus* sp.
- Family: Megascolecidae  
 Genus: *Amyntas* Kinberg, 1867  
 32) *Amyntas alexandri* Beddard, 1900  
 33) *Amyntas hawayanus* Rosa, 1891  
 34) *Amyntas diffringens* Baird, 1809  
 35) *Amyntas morrissi* Beddard, 1892  
 36) *Amyntas robustus* Perrier, 1872
- Genus: *Metaphire* Sims and Easton, 1972  
 37) *Metaphire peguana* Rosa, 1890  
 38) *Metaphire planata* Gates, 1926  
 39) *Metaphire californica* Kinberg, 1866  
 40) *Metaphire posthuma* Vaillant, 1868  
 41) *Metaphire anomala* Michaelsen, 1907  
 42) *Metaphire houlleti* Perrier, 1872  
 43) *Metaphire birmanica* Rosa, 1888
- Genus: *Perionyx* Perrier, 1872  
 44) *Perionyx bainii* Stephenson, 1915  
 45) *Perionyx excavatus* Perrier 1888  
 46) *Perionyx nainanus* Michaelsen, 1907

- 47) *Perionyx sansibaricus* Michaelsen, 1907  
 48) *Perionyx variegatus* Michaelsen, 1907  
 49) *Perionyx pulvinatus* Stephenson, 19320  
 Genus: *Lampito* Kinberg, 1867  
 50) *Lampito mauritii* Kinberg, 1866.  
 Genus: *Polyphertima* Michaelsen, 1934  
 51) *Polyphertima elongata* Perrier, 1872  
 Family: Eudrilidae  
 Genus: *Eudrilus* Perrier, 1871  
 52) *Eudrilus eugeniae* Kinberg, 1867
- West Bengal:**  
 Family: Acanthodrilidae  
 Genus *Plutellus* E. Perrier, 1873  
 1) *Plutellus ghumensis* (Julka, 1975 )  
 2) *Plutellus sikkimensis* (Michaelsen, 1907)  
 Genus *Pontodrilus* Perrier, 1874  
 3) *Pontodrilus bermudensis* (Beddard, 1891)  
 Family Glossoscolecidae  
 Genus *Pontoscolex* Schmarda, 1861  
 4) *Pontoscolex corethrurus* (Muller, 1856)  
 Family Lumbricidae  
 Genus: *Aporrectodea* Orley, 1885  
 5) *Aporrectodea rosea* (Savigny, 1826)  
 Genus *Bimastos* Moore, 1893  
 6) *Bimastos parvus* (Eisen, 1874)  
 Genus *Dendrobaena* Eisen, 1873  
 7) *Dendrobaena rubidus* (Savigny, 1826)  
 Genus: *Eisenia* Michaelsen, 1900  
 8) *Eisenia fetida* (Savigny, 1826)  
 9) *Eisenia hortensis* (Michaelsen, 1890)  
 Genus: *Eiseniella* Michaelsen, 1900  
 10) *Eiseniella tetraedra* (Savigny, 1826)  
 Genus *Octolasion* Orley, 1885  
 11) *Octolasion cyanium* (Savigny, 1826)  
 12) *Octolasion tyrtaeum* (Savigny, 1826)  
 Family Megascolecidae  
 Genus *Amyntas* Kinberg, 1867  
 13) *Amyntas alexandri* Beddard, 1900  
 14) *Amyntas diffringens* (Baird, 1809)  
 15) *Amyntas hawayanus* (Rosa, 1891)  
 16) *Amyntas morrissi* (Beddard, 1892)  
 17) *Amyntas robustus* (Perrier, 1872)  
 18) *Amyntas corticis* (Kinberg, 1866)  
 19) *Amyntas gracilis* (Kinberg, 1866)  
 Genus: *Lampito* Kinberg, 1867  
 20) *Lampito mauritii* Kinberg, 1867  
 Genus: *Metaphire* Sims and Easton, 1972  
 21) *Metaphire anomala* (Gates, 1972)  
 22) *Metaphire californica* (Kinberg, 1866)  
 23) *Metaphire houletti* (Perrier, 1872)  
 24) *Metaphire penguana* (Rosa, 1890)  
 25) *Metaphire planata* (Gates, 1926)  
 26) *Metaphire posthuma* (Vaillant, 1868)  
 27) *Metaphire birmanica* (Rosa, 1888)  
 Genus: *Perionyx* Perrier, 1872  
 28) *Perionyx alatus* Stephenson, 1920  
 29) *Perionyx annadalei* (Michaelsen, 1907)  
 30) *Perionyx excavatus* (Perrier, 1872)  
 31) *Perionyx gravellyi* (Stephenson, 1917)  
 32) *Perionyx heterochaetus* (Stephenson, 1917)  
 33) *Perionyx himalayanus* Michaelsen, 1917  
 34) *Perionyx inornatus* Stephenson, 1916  
 35) *Perionyx jorpokriensis* Julka, 1975  
 36) *Perionyx macintoshi* Baddard, 1883  
 37) *Perionyx nanus* Stephenson, 1917  
 38) *Perionyx pallidus* Stephenson, 1917  
 39) *Perionyx pincerna* Stephenson, 1916  
 40) *Perionyx pokhrianus* Stephenson, 1920  
 41) *Perionyx pokhrianus* var. *affinis* Stephenson, 1920  
 42) *Perionyx pulvanatus* Stephenson, 1916  
 43) *Perionyx sikkimensis* (Michaelsen, 1907)  
 44) *Perionyx variegatus* (Michaelsen, 1907)  
 45) *Perionyx rimatus* Stephenson, 1920  
 46) *Perionyx setnai* (Stephenson, 1931)  
 47) *Perionyx sansibaricus* (Perrier, 1872)  
 48) *Perionyx fulvus* Stephenson, 1916  
 49) *Perionyx shyamasreetus* Ghosh *et al.*, 2019  
 50) *Perionyx rahuli* Hasan *et al.*, 2019  
 Genus: *Polyphertima* Michaelsen, 1934  
 51) *Polyphertima elongata* (Perrier, 1872)  
 Genus: *Tonoscolex* Gates, 1933  
 51) *Tonoscolex horai* (Stephenson, 1922)  
 52) *Tonoscolex monorchis* (Stephenson, 1916)  
 Family: Almidae  
 Genus: *Glyphidrilus* Horst, 1889  
 53) *Glyphidrilus tuberosus* Stephenson, 1916  
 Family Moniligastridae  
 Genus: *Drawida* Michaelsen, 1900  
 54) *Drawida nepalensis* Michaelsen, 1907  
 Family Ocnodrilidae  
 Genus: *Gordiodilus* Beddard, 1892  
 55) *Gordiodilus elegans* morph *paski* Stephenson, 1928  
 Genus: *Nematogenia* Eisen, 1900  
 56) *Nematogenia panamaensis* (Eisen, 1900)  
 Family: Octochaetidae  
 Genus: *Dichogaster* Beddard, 1888  
 57) *Dichogaster bolau* (Michaelsen, 1891)  
 58) *Dichogaster affinis* (Michaelsen, 1890)  
 59) *Dichogaster modigliani* (Rosa, 1896)  
 60) *Dichogaster saliens* (Beddard, 1893)  
 Genus: *Eutyphoeus* Michaelsen, 1900  
 61) *Eutyphoeus gammiei* (Beddard, 1888)  
 62) *Eutyphoeus incommodus* (Beddard, 1901)  
 63) *Eutyphoeus nicholsoni* (Beddard, 1901)  
 64) *Eutyphoeus orientalis* (Beddard, 1833)  
 65) *Eutyphoeus quadripapillatus* (Michaelsen, 1907)  
 66) *Eutyphoeus waltoni* (Michaelsen, 1907)  
 Genus *Lenogaster* Gates, 1939  
 67) *Lenogaster pusillus* (Stephenson, 1920)  
 Genus: *Octochaetona* Gates, 1962  
 68) *Octochaetona beatrix* (Beddard, 1902)  
 69) *Octochaetona compta* Gates, 1945  
 70) *Octochaetona surensis* (Michaelsen, 1910)  
 Genus *Pellogaster* Gates, 1939  
 72) *Pellogaster bengalensis* Michaelsen, 1910  
 Genus: *Ramiella* Stephenson, 1921  
 73) *Ramiella bishambari* (Stephenson, 1914)  
 Genus: *Scolioscolides* Gates, 1937  
 74) *Scolioscolides bergtheili* (Michaelsen, 1907)

## DISCUSSION

It is the first upto date report on the biodiversity of earthworms and their distribution reported from different states, union Territory, Andaman and Nicobar and Lakshadweep islands of India, which has not been described and enlisted in any study so far. This study has been the outcome of indepth and thorough study of the earthworms pan India for over about last 50 years and finds importance in elucidating the bio-diversity of earthworms under phylum Annelida, in India.



Although several studies have been conducted by several groups across the country studying the earthworm biodiversity, our study encompasses the up to date record of earthworms from across India in different states till 2022.

Despite several studies that have indicated that climate change, pollution, environmental factors have affected the species diversity and numbers for a diverse range of earthworms across the globe (Ghosh 2021) the species reported in this article is the latest up to date report on the species existing in India and being observed and studied from different states and remaining in different soil conditions in diverse agroecological zones (AEZ) of India including shallow skeletal soils of Western Himalayas, desert and saline soils of the Western Plain & Kachchha Peninsula, red and black soils of Deccan Plateau, alluvium-derived soils of Northern Plain & Central Highlands and Gujarat Plains, medium and deep black soils of Central (Malwa) Highlands, Gujarat Plains & Kathiawar Peninsula, shallow and medium black soils of the Deccan Plateau, red and black soils of Deccan (Telangana) Plateau & Eastern Ghats, red loamy soils of Eastern Ghats (Tamil Nadu uplands) & Deccan Plateau of Karnataka, alluvium-derived soils of Northern plains, red and black soils of Central Highlands (Malwa & Bundelkhand), red and yellow soils of Eastern Plateau of Chhattisgarh Region, red and lateritic soils of Eastern Chhota Nagpur Plateau and Eastern Ghats, alluvium-derived soils of Eastern Plains, brown forest and podzolic soils of western Himalayas, alluvial-derived soils of Bengal and Assam basin, brown and red hill soils of eastern Himalayas, red and lateritic soils of North eastern Hills, coastal alluvium-derived soils of eastern coastal plains, red, lateritic and alluvium-derived soils of Western Ghats and Coastal Plains, red loamy and sandy soils of Islands of Andaman & Nicobar and Lakshadweep ([http://117.252.14.242/rbis/India\\_Information/ecological%20regions.htm](http://117.252.14.242/rbis/India_Information/ecological%20regions.htm)).

Although several studies, including digital cataloging of earthworms in India has been observed, (<https://earthwormsofindia.com/about-earthworms-of-india.php>), our study has reported the presence of earthworms in state wise distribution with up-to-date cataloging of the different species from different States, Union territory Andaman, Nicobar Islands and Lakshadweep of India including 14 families and 445 valid species, (Julka, 1988, Julka et al., 2009, Stephenson 1923), together with inclusion of members under family including Glossoscolecidae represented by genus *Pontoscolex* Schmarida, 1861, family Naididae with different genus, including *Aulophorus* Schmarida, 1861, *Branchiodrilus* Michaelsen, 1900, *Dero* Oken, 1815, *Nais* Muller, 1773, *Pristina* Ehrenberg, 1828, *Haemonais* Bretscher, 1900, *Haemonais laurentii* (Stephenson, 1915), Family Tubificidae, including genus *Aulodrilus* Bretscher, 1899, *Branchiura* Beddard, 1912 not reported in any pan India checklist of earthworm distribution so far.

The process of digitation of the state wise representatives of earthworm is currently under process by the Zoological Survey of India (unpublished data). Since earthworms play major role in regulating soil fertility, this study finds also importance from the agroecological point of view and understanding of their roles in across diverse agroecological zones of India remains our major focus in our immediate future study.

## ACKNOWLEDGMENTS

We thank Director, Zoological Survey of India, Kolkata, and Director, NISER for the support. We thank to the Director ZSI, India for her continuous support and guidance. We thank all the staff, field personnel, involved during the study.

## REFERENCES

- Aalok A, Tripathi A, Soni P. 2008. Vermicomposting: A Better option for organic solid waste management. *Journal of Human Ecology*. 24:59-64.
- Ansari A, Jaikishun S. 2011 Vermicomposting of sugarcane bagasse and rice straw and its impact on the cultivation of *Phaseolus vulgaris* L. in Guyana, South America. *Journal of Agricultural Technology*. 7:225-234.
- Ansari AA, Saywack P. 2011. Identification and classification of earthworm species in Guyana. *International Journal of Zoological Research*. 7:93-99.
- Domínguez JJ, Edwards CA. 2011 Biology and ecology of earthworms species used for vermicomposting. In: Clive A. Edwards, Norman Q. Arancon, Rhonda L. Sherman (Eds.) *Vermiculture technology: Earthworms, organic waste and environmental management*. CRC Press. Boca Raton, Florida.
- Edwards CA, Bohlen PJ. 1996. *Biology and Ecology of Earthworms*. 3rd Eds. London, Chapman and Hall.
- Gajalakshmi S, Abassi S. 2003. Earthworms and vermicomposting. *Indian Journal of Biotechnology*. 3:486-494.
- Ghosh S, Hasan Md N, Mandal CK, 2018. *Perionyx shyamasreetus* nov. (Clitellata: Megascolecidae): A First report from India, Collected from Odisha *J. Appl. Zool. Res.* 29: 2.
- Ghosh S. 2018a Environmental pollutants, pathogens and immune system in earthworms. *Environ Sci Pollut Res Int*. 25:6196-6208
- Ghosh S., Climate Change and Earthworms: A Global Perspective, *International Journal of Entomology Research*, 2021, 6(4), 167-171
- Ghosh S. 2020c Structural functional insights into earthworm lysenin as potential antimicrobial agent, *International Journal of Entomology Research*, 5 57-65.
- Ghosh, S. 2020a. Insilico Study of Earthworm CCF1 Peptides in Earthworm. *Int J Pept Res Ther*. 26: 2213–2224.
- Ghosh, S. 2020b Insilico Studies on Antimicrobial Peptides (AMPs) from Earthworm. *Int J Pept Res Ther*. 26: 1721–1738.
- Jayaraj, R. and Jayaraj, I.A. (Eds) *Rohini Achagam*, Coimbatore, India. 36-56.
- Julka, J.M. 1988. *Fauna of India & the adjacent Countries: Megadrile Oligochaeta (Earthworms); Haplotaxida: Lumbricina: Megascolecidae: Octochaetidae*, 400 p.p. Zoological Survey of India, Calcutta.

- Julka, J.M., Paliwal, R. and Kathireswari.P. 2009. Biodiversity of Indian Earthworms-overview. In Proceedings of Indo-US Workshop on Vermitechnology in Human Welfare, Edwards, C.A., Munnoli PM, daSilva JAT, Bhosle S, Dynamics of Soil-Earthworm-Plant relationship,: A Review, Dynamic Soil, Dynamic Plant, 2010, Global Science Book.
- Ramnarain, Yvonne & Ansari, Abdullah & Ori, Lydia.2016. Research Report on one local earthworm species in Suriname. 26-30.
- Reddell P, Spain AV, 1991. Earthworms as vectors of viable propagules of mycorrhizal fungi, *Soil Biol and Biochem*, 23:767-774
- Sinha K, Valani D, Soni B, Chandran V. 2011. Earthworm vermicompost. A sustainable alternative to chemical fertilizers for organic farming. *Agriculture issues and policies*. Nova Science Publishers, Inc., New York.
- Stephenson, J. 1923. *The Fauna of British India including Ceylon and Mayanmar*. Taylor & Francis, 518 pp.
- Williams AP, Roberts P, Avery LM, Killham K, Jones DL, 2006. Earthworms as vectors of *Escherichia coli* O157:H7 in soil and vermicomposts, *FEMS Microbiology Ecology*, 58: 54–64.

