



FREE LIVING NEMATODES (ORDER DORYLAIMIDA AND TRIPLONCHIDA) OF WEST BENGAL, INDIA

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INTRODUCTION

Dorylaimid nematodes, associated with different crop plants from West Bengal, India, were comprehensively reported and described by Sukul (1967a; 1972; 1973), Sukul *et al.*, (1975), Baqri and Khera (1975, 1979), Mukherjee and Dasgupta (1981), Baqri. and Jana (1980; 1982 & 1986), Jana and Baqri (1981a & b; 1982; 1984; 1985), Dey and Baqri (1986). Nematodes of jute (Chaturvedi and Khera, 1979) and Paddy (Baqri *et al.*, 1983; Baqri and Ahmad, 2000) have been extensively observed and recorded. Recently, the nematodes associated with guava and litchi plantation in South 24-Parganas district (Sen *et al.*, 2007, 2010, 2011a, b & c; Sen, 2010) and those of banana in West Medinipur district (Gantait, *et al.*, 2009a, b & c; 2010; 2011a & b; Gantait, 2010)

have been studied. This has been observed that the nematodes from most of the districts of West Bengal (except Purulia) were reported.

Altogether 119 species under the order Dorylaimida Pearse, 1942 and 2 species under the order Triplonchida Cobb, 1920 have been listed (Table - 1), together with their references (i. e. the publication in which they were first reported or described from West Bengal). The nematodes further may be grouped in to five or six trophic levels; depending on their feeding habits, ranging from saprophytic, mycetophagous, omnivorous, plant parasitic, carnivorous, predatory etc. But such classification is out of scope in the preparation of the present list.

Table - 1 : List of dorylaimoid nematodes from West Bengal

Sl. No.	Group & Species	Habitat (Associated with)	Distribution	Source	Remarks
Order DORYLAIMIDA Pearse, 1942 Suborder DORYLAIMINA Pearse, 1942 Superfamily DORYLAIMOIDEA De Man, 1876 Family DORYLAIMIDAE De Man, 1876 Subfamily Dorylaiminae De Man, 1876					
1	<i>D. geraerti</i> Baqri & Jana, 1986	Brinjal,	Spg	Baqri & Jana, 1986	
2	<i>Dorylaimus bengalensis</i> Sen et al., 2011	Guava		Sen, et al., 2011	
3	<i>Dorylaimus</i> sp. Sen et al., 2011	Guava	Spg	Sen, Chatterjee & Manna, 2011	
4	<i>D. innovatus</i> Jana & Baqri, 1982	Paddy Banana	Bar Med	Jana & Baqri, 1982 Gantait et al., 2009	
5	<i>D. neominimus</i> Gantait et al., 2009	Banana	Med	Gantait et al., 2009	
6	<i>D. stagnalis</i> Dujardin, 1845	Paddy	Mal	Baqri & Ahmad, 2000	
7	<i>Ischiodorylaimus</i> sp.	Paddy	Bar	Baqri et al., 1983	

Sl. No.	Group & Species	Habitat (Associated with)	Distribution	Source	Remarks
8	<i>Ischiodorylaimu novus</i> Baqri & Jana, 1986	Paddy	Bar	Baqri & Jana, 1986	
Subfamily LAIMYDORINAE Andrassy, 1969					
9	<i>Mesodorylaimus mesonyctius</i> (Kreis, 1930) Andrassy, 1959	Guava	Spg	Sen, et al., 2011	N. R. S.
10	<i>M. sushili</i> Gantait et al., 2007	Banana	Med	Gantait et al., 2007, 2009	
11	<i>Prodorylaimus jihuai</i> Ahmad & Ahmad, 2001	Banana	Med	Gantait et al., 2009	N. R. C.
12	<i>P. sukuli</i> Baksi & Baqri, 1985	Banana	Med	Gantait et al., 2009	
13	<i>Calodorylaimus andrassyi</i> Baqri & Jana, 1982	Paddy	Bar	Baqri & Jana, 1982	
14	<i>C. simplex</i> Baqri & Jana, 1982	Paddy	Bar, Mal	Baqri & Jana, 1982 Baqri & Ahmad, 2000	
15	<i>Laimydorus istoani</i> Sen, et al., 2011	Guava	Spg	Sen, et al., 2011;	
16	<i>L. baldus</i> Baqri & Jana, 1982	Paddy, Guava	KBi, Spg	Baqri & Jana, 1982; Sen, et al., 2011	N. R. D.
17	<i>L. distinctus</i> Dey & Baqri, 1986	Paddy	KBi	Dey & Baqri, 1986	
18	<i>Laimydorus minutus</i> Gantait et al., 2011	Banana	Med	Gantait et al., 2011	
19	<i>L. oryzae</i> Dey & Baqri, 1986	Paddy	Dar	Dey & Baqri, 1986	
20	<i>L. siddiqii</i> Baqri & Jana, 1982	Paddy Banana	KBi, Mal, Jal Med	Baqri & Jana, 1982; Baqri & Ahmad, 2000; Gantait et al., 2009	
Subfamily THORNENEMATINAE Siddiqi, 1969					
21	<i>Thornenema conura</i> Dey & Baqri, 1986	Paddy	WDj	Dey & Baqri, 1986	
22	<i>T. elaboratum</i> Baqri & Jana, 1986	Banana	Dar	Baqri & Jana, 1986	
23	<i>T. garhwalicum</i> Srivastava et al., 2003	Banana	Med	Gantait et al., 2009	N. R. S.
24	<i>T. mauritianum</i> (Williams, 1959) Baqri & Jairajpuri, 1967	Paddy	Bar, Mal, Jal	Baqri et al., 1983; Baqri & Ahmad, 2000	
25	<i>T. nodicaudatum</i> Dey & Baqri, 1986	Paddy	Dar	Dey & Baqri, 1986	
26	<i>T. novum</i> Dey & Baqri, 1986	Paddy	Dar	Dey & Baqri, 1986	
27	<i>T. pseudosartum</i> Carbonell and Coomans, 1987	Paddy	Mal	Baqri & Ahmad, 2000	
28	<i>T. shamimi</i> (Baqri & Jana, 1980) Carbonell & Coomans, 1987 (= syn. <i>Jairajpuria shamimi</i> Baqri & Jana, 1980)	Paddy	Bar	Baqri & Jana, 1980	
29	<i>Sicaguttur coomansi</i> (Baqri & Jana, 1980) Carbonell & Coomans, 1986	Paddy	Jal	Baqri & Ahmad, 2000	

Sl. No.	Group & Species	Habitat (Associated with)	Distribution	Source	Remarks
30	<i>S. sartum</i> Siddiqi, 1971,	Pea	Spg	Baqri & Jana, 1980	
31	<i>Lagenonema thornei</i> Gantait <i>et al.</i> , 2010	Banana	Med	Gantait <i>et al.</i> , 2010	
Family APORCELAIMIDAE Heyns, 1965					
Subfamily APORCELAIMINAE Heyns, 1965					
32	<i>Aporcelaimellus adoxus</i> Tjepkema <i>et al.</i> , 1968	Grass	Bar	Jana & Baqri, 1981a	
33	<i>A. amylovorus</i> (Thorne & Swanger, 1936) Heyns, 1965	Guava	Spg	Sen, 2010	N. R. S.
34	<i>A. baqrii</i> Ahmad and Jairajpuri, 1982	Guava	Spg	Sen, 2010	N. R. S.
35	<i>A. chauhani</i> Baqri & Khera, 1975	Banana Okra Litchi	Dar Hug Spg	Baqri & Khera, 1975 Jana & Baqri, 1981a Sen, 2010	 N. R. D.
36	<i>A. conicaudatus</i> (Altherr, 1953) Monteiro, 1970	Banana	Med	Gantait <i>et al.</i> , 2009	N. R. C.
37	<i>A. coomansi</i> Baqri & Khera, 1975	Banana Paddy, Banana Litchi	Dar Bar Spg	Baqri & Khera, 1975 Baqri <i>et al.</i> , 1983, Jana & Baqri, 1981a Sen, 2010	 N. R. D.
38.	<i>A. heynsi</i> Baqri & Jairajpuri, 1968	Paddy Banana	Bar, Med	Baqri <i>et al.</i> , 1983, Baqri & Ahmad, 2000 Gantait <i>et al.</i> , 2009	
39.	<i>A. indicus</i> Baqri and Jairajpuri, 1968	Litchi, Guava	Spg	Sen, 2010	N. R. S.
40	<i>A. papillatus</i> (Bastian, 1865) Baqri Khera, 1975	Litchi	Spg	Sen, 2010	N. R. C.
41	<i>A. subhasi</i> Gantait <i>et al.</i> , 2006	Banana	Med	Gantait <i>et al.</i> , 2006, 2009	
42	<i>A. tritici</i> (Bastian, 1865) Andrassy, 1986	Litchi, Guava	Spg	Sen, 2010	N. R. C.
43	<i>A. tropicus</i> Jana & Baqri, 1981	Paddy	Bar	Jana & Baqri, 1981a Baqri <i>et al.</i> , 1983	
44	<i>Makatinus siddiqi</i> Gantait <i>et al.</i> , 2011	Banana	Med	Gantait <i>et al.</i> , 2011	
Subfamily Sertonematinae					
45	<i>Sertonema procta</i> Jairajpuri and Baqri, 1966	Litchi Banana	Spg Med	Sen, 2010 Gantait <i>et al.</i> , 2009	N. R. S.
Subfamily PARAXONCHIINAE Thorne, 1930					
46	<i>Paraxonchium</i> sp.	Guava	Spg	Sen, 2010	N. R. S.

Sl. No.	Group & Species	Habitat (Associated with)	Distribution	Source	Remarks
Family QUDSIANEMATIDAE Jairajpuri, 1965 Subfamily QUDSIANEMATINAE Jairajpuri, 1965					
47	<i>Labronema digitatum</i> Sukul <i>et al.</i> , 1975	Wheat	Bir	Sukul <i>et al.</i> , 1975	
48	<i>L. glandosum</i> Rahman <i>et al.</i> , 1986	Banana	Med	Gantait <i>et al.</i> , 2009	N. R. S.
49	<i>Thonus confusus</i> Jana & Baqri, 1982	Paddy	KBi	Jana & Baqri, 1982	
50	<i>T. garhwaliensis</i> Ahmad <i>et al.</i> , 1986	Banana	Med	Gantait <i>et al.</i> , 2009	N. R. S.
51	<i>Indokochinema ekramullahi</i> Jana & Baqri, 1982	Potato	Bir	Jana & Baqri, 1982	
Subfamily CHRYSOENEMATINAE Siddiqi, 1969					
52	<i>Chrysonemoides distinctus</i> Jana & Baqri, 1985	Cashew nut	Med	Jana & Baqri, 1985	
Subfamily DISCOLAIMINAE Siddiqi, 1969					
53	<i>Discolaimus dhanachandi</i> Gantait <i>et al.</i> , 2009	Banana	Med	Gantait <i>et al.</i> , 2009	
54	<i>D. parweizi</i> Siddiqi, 2003	Banana	Med	Gantait <i>et al.</i> , 2009	N. R. C.
55	<i>D. tenax</i> Siddiqi, 1964	Guava	Spg	Sen, 2010	N. R. S.
56	<i>Discolaimium mazhari</i> Baqri and Jairajpuri, 1968	Guava	Spg	Sen, 2010	N. R. S.
57	<i>Discolaimoides bulbiferus</i> (Cobb, 1906) Heyns, 1963	Jute	Bar, Hug, Npg	Chaturvevi & Khera, 1979	
58	<i>D. teres</i> Khan & Laha, 1982	Banana	Med	Gantait <i>et al.</i> , 2009	N. R. S.
Family NORDIIDAE Jairajpuri & A. H. Siddiqi, 1964 Subfamily NORDIINAE Jairajpuri & A. H. Siddiqi, 1964					
59	<i>Longidorella macramphis</i> (Altherr, 1950) Altherr, 1950	Jute	Hao	Chaturvevi & Khera, 1979	
Subfamily PUNGENTINAE Siddiqi, 1969					
60	<i>Kochinema longicaudatum</i> Jana & Baqri, 1985	Cashew nut	Med	Jana & Baqri, 1985	
61	<i>Lenonchium oryzae</i> Siddiqi, 1965	Coconut Paddy	Npg Mal	Jana & Baqri, 1985 Baqri & Ahmad, 2000	
Subfamily ACTINOLAIMOIDINAE Jairajpuri & Ahmad, 1992					
62	<i>Oriverutus lobatus</i> Siddiqi, 1971	Banana	Med	Gantait <i>et al.</i> , 2009	N. R. S.
63	<i>O. parangulatus</i> Baqri, 1991	Banana	Med	Gantait <i>et al.</i> , 2009	N. R. S.

Sl. No.	Group & Species	Habitat (Associated with)	Distribution	Source	Remarks
Superfamily ACTINOLAIMOIDEA Thorne, 1939 Family ACTINOLAIMIDAE Thorne, 1939 Subfamily NEOCTINOLAIMINAE Thorne, 1939					
64	<i>Neoactinolaimus</i> sp.	Paddy	Jal	Baqri & Ahmad, 2000	
65	<i>N. thornei</i> Chaturvedi & Khera, 1979	Jute Paddy	Npg Bar	Chaturvedi & Khera, 1979 Baqri <i>et al.</i> , 1983	
Subfamily PARACTINOLAIMINAE Thorne, 1967					
66.	<i>Paractinolaimus aruprus</i> Khan <i>et al.</i> , 1994	Banana	Med	Gantait <i>et al.</i> , 2009	N. R. S.
67	<i>P. girini</i> Sukul, 1967	Onion	Ban	Sukul, 1967	
68	<i>P. macrodentatus</i> Sukul, 1967	Jute	Ban	Sukul, 1967	
69	<i>P. shamimi</i> Gantait <i>et al.</i> , 2006	Banana	Med	Gantait <i>et al.</i> , 2006, 2009	
Superfamily LONGIDOROIDEA Thorne, 1965 Family LONGIDORIDAE Thorne, 1965 Subfamily LONGIDORINAE Thorne, 1965					
70	<i>Paralongidorus citri</i> (Siddiqi, 1959) Siddiqi <i>et al.</i> , 1963	Paddy Mango	Bar Jal	Baqri <i>et al.</i> , 1983 Jana & Baqri, 1984	Plant-parasitic
71	<i>P. dorseri</i> Sukul, 1972	Insectivo-rous plants	Bir	Sukul, 1972	-do-
Family XIPHINEMATIDAE Dalmasso, 1969 Subfamily XIPHINEMATINAE Dalmasso, 1969					
72	<i>X. americanum</i> Cobb, 1913	Jute Litchi	Hao Spg	Chaturvedi & Khera, 1979 Sen <i>et al.</i> , 2010	-do- N. R. D.
73	<i>X. basiri</i> Siddiqi, 1959	Citrus	--	Mukherjee & Dasgupta, 1980	-do-
74	<i>X. index</i> Thorne & Allen, 1950	Citrus	--	Mukherjee & Dasgupta, 1980	-do-
75	<i>X. insigne</i> Loos, 1949	Jute	Npg, Hug	Chaturvedi & Khera, 1979	-do-
76	<i>X. manasiae</i> Sen <i>et al.</i> , 2010	Litchi	Spg	Sen <i>et al.</i> , 2010	-do-
Superfamily BELONDIROIDEA Thorne, 1939 Family BELONDIRIDAE Thorne, 1939 Subfamily BELONDIRINAE Thorne, 1939					
77	<i>A. amplicolle</i> Cobb, 1920	Paddy	Jal	Baqri & Ahmad, 2000	
78	<i>Axonchium</i> (<i>Axonchium</i>) <i>coomansi</i> Sen <i>et al.</i> , 2011	Litchi Guava	Spg	Sen <i>et al.</i> , 2011	N. R. D

Sl. No.	Group & Species	Habitat (Associated with)	Distribution	Source	Remarks
Subfamily DORYLAIMELLINAE Jairajpuri, 1964					
79	<i>Dorylaimellus andrassyi</i> Heyns, 1963	Jute	Ban, Med, Nad	Chaturvedi & Khera, 1979	
80	<i>D. deviatu</i> s Baqri & Jairajpuri, 1969	Paddy	Mal Bar	Baqri & Ahmad, 2000 Baqri <i>et al.</i> , 1983	
81	<i>D. discocephalus</i> Siddiqi, 1964	Paddy	Bar	Baqri <i>et al.</i> , 1983	
82	<i>D. Indicus</i> Siddiqi, 1964	Paddy	Mal Bar	Baqri & Ahmad, 2000	
83	<i>D. projectus</i> Heyns, 1962	Paddy	Mal	Baqri & Ahmad, 2000	
84	<i>D. Purvulus</i> Thorne, 1939	Jute	Ban, Bar, Hug, Med, Nad, Npg	Chaturvedi & Khera, 1979	
Subfamily SWANGERIINAE Jairajpuri, 1964					
85	<i>Paraoxydirus gigas</i> (Jairajpuri, 1964) Jairajpuri & Ahmad, 1979	Paddy	Mal	Baqri & Ahmad, 2000	
Superfamily TYLENCHOLAIMOIDEA Filipjev, 1934 Fmaily TYLENCHOLAIMIDAE Filipjev, 1934 Subfmaily TYLENCHOLAIMINAE Filipjev, 1934					
86	<i>Tylencholaimus obscurus</i> Jairajpuri, 1965	Banana	Med	Gantait <i>et al.</i> , 2009	N. R. S.
87	<i>T. pakistanensis</i> Timm, 1964	Paddy Banana	Bar Mal Med	Baqri <i>et al.</i> , 1983 Baqri & Ahmad, 2000 Gantait <i>et al.</i> , 2009	N. R. S.
88	<i>Discomyctus cephalatus</i> Thorne, 1939	Paddy	Jal	Baqri & Ahmad, 2000	
Subfamily MUMTAZIINAE Andrassy, 1976					
89	<i>Promumtazium elongatum</i> Ahmad & Jairajpuri, 1984	Banana Med	Med	Gantait <i>et al.</i> , 2009	N. R. S.
Family LEPTONCHIDAE Thorne, 1935 Subfamily LEPTONCHINAE Thorne, 1935					
90	<i>Proleptonchus clarus</i> Timm, 1964	Paddy	Bar Mal	Baqri <i>et al.</i> , 1983 Baqri & Ahmad, 2000	
91	<i>P. caudatus</i> Jairajpuri & Ahmad, 1992 (= syn. <i>Picarilaimus caudatus</i> Sukul, 1973)	Bank of big tank of Lalbandh	Ban	Sukul, 1973	
Subfamily TYLEPTINAE Jairajpuri, 1964					
92	<i>Tyleptus projectus</i> Thorne, 1939	Banana Paddy Guava	Jal Jal Spg	Jana & Baqri, 1981b Baqri & Ahmad, 2000 Sen, 2010	N. R. D.

Sl. No.	Group & Species	Habitat (Associated with)	Distribution	Source	Remarks
Subfamily Belonenchinae Thorne, 1964					
93	<i>Basirotyleptus minimus</i> Jana & Baqri, 1981	Paddy	Dar	Jana & Baqri, 1981b	
94	<i>B. basiri</i> Jairajpuri, 1964	Paddy	Mal	Baqri & Ahmad, 2000	
Family MYDONOMIDAE Thorne, 1964					
Subfamily Thorne, 1964					
95	<i>Dorylaimoides arcuicaudatus</i> Baqri & Jairajpuri, 1969	Paddy	Bar	Baqri <i>et al.</i> , 1983	
96	<i>D. constrictoides</i> Goseko <i>et al.</i> , 1976	Paddy	Mal	Baqri & Ahmad, 2000	
97	<i>D. elaboratus</i> Siddiqi, 1965	Paddy	Bar	Baqri <i>et al.</i> , 1983	
98	<i>D. filicaudatus</i> Jana & Baqri, 1981	Tea Banana	Dar Med	Jana & Baqri, 1981b Gantait <i>et al.</i> , 2009	
99	<i>D. istvani</i> Dattaray <i>et al.</i> , 2010	<i>Lagenaria vulgaris</i>	Npg	Dattaray <i>et al.</i> , 2010	
100	<i>D. leptura</i> Siddiqui, 1965	Onion	KBi	Jana & Baqri, 1981b	
101	<i>D. loofi</i> Baqri & Khera, 1979	Banana	Kbi	Baqri & Khera, 1979	
102	<i>D. micoletzkyi</i> (De Man, 1921) Thorne & Swanger, 1936	Jack fruit, Pine apple	Kbi	Jana & Baqri, 1981b	
103	<i>D. modestus</i> Siddiqi, 1965	Litchi	Jal	Baqri & Khera, 1979	
104	<i>D. pakistanensis</i> Siddiqi, 1964	Banana	Kbi	Baqri & Khera, 1979	
105	<i>D. parateres</i> Siddiqi, 1964	Grasses Litchi	Kbi Spg	Jana & Baqri, 1981b Sen, 2010	N. R. D.
106	<i>D. parvus</i> Thorne & Swanger, 1936	Paddy Guava	Bar Spg	Baqri <i>et al.</i> , 1983 Sen, 2010	N. R. D.
107	<i>D. paulbuchneri</i> Meyl, 1956	Paddy	Mal	Baqri & Ahmad, 2000	
108	<i>D. siddiqi</i> Baqri & Khera, 1979	Litchi	Jal	Baqri & Khera, 1979	
109	<i>D. subhasi</i> Jana & Baqri, 1981	Chilli	Hug	Jana & Baqri, 1981b	
110	<i>Dorylaimoides (Dorylaimoides)</i> sp. Sen, 2010	Litchi	Spg	Sen, 2010	
111	<i>Morasia bengalensis</i> Jana & Baqri, 1981	Paddy	Bar	Jana & Baqri, 1981b Baqri <i>et al.</i> , 1983	
Subfamily CALOLAIMINAE Goseco, Ferris & Ferris, 1976					
112	<i>Miranema gracile</i> Thorne, 1939	Paddy	Mal	Baqri & Ahmad, 2000	

Sl. No.	Group & Species	Habitat (Associated with)	Distribution	Source	Remarks
Superfamily NYGOLAIMOIDEA Thorne, 1935 Family NYGOLAIMIDAE Thorne, 1935 Subfamily NYGOLAIMINAE Thorne, 1935					
113	<i>Aquatides</i> sp.	Guava	Spg	Sen, 2010	Predator
114	<i>A. aquaticus</i> (Thorne, 1930) Thorne, 1974	Banana	Med	Gantait <i>et al.</i> , 2009	-do- N. R. S.
115	<i>Clavicaudoides caudatus</i> (Jairajpuri, 1964) Ahmad & Jairajpuri, 1982	Guava	Spg	Sen, 2010	-do- N. R. S.
116	<i>Laevides laevis</i> (Thorne, 1939) Thorne, 1974	Guava Banana	Spg Med	Sen, 2010 Gantait <i>et al.</i> , 2009	-do- N. R. D.
117	<i>L. paraaquaticus</i> (Paetzold, 1958) Ahmad & Jairajpuri, 1982	Paddy	Jal	Baqri & Ahmad, 2000	-do-
Family NYGELLIDAE Andrassy, 1958 Subfamily NYGELLINAE Andrassy, 1958					
118	<i>Nygellus</i> sp.	Guava	Spg	Sen, 2010	-do-
Family AETHOLAIMIDAE Jairajpuri, 1965 Subfamily AETHOLAIMINAE Jairajpuri, 1965					
119	<i>Aetholaimus indicus</i> Jairajpuri, 1965	Litchi	Spg	Sen, 2010	-do- N. R. S.
Order TRIPLONCHIDA Cobb, 1920 Superfamily TROCHODOROIDEA Thorne, 1935 Family TRICHODORIDAE Thorne, 1935					
120	<i>Paratrichodorus (Atlantodorus) porosus</i> (Allen, 1957) Siddiqi, 1974	Tea	Dar	Jana & Baqri, 1984	
121	<i>P. (Nanidorus) renifer</i> Siddiqi, 1974	Tea	Dar	Jana & Baqri, 1984	

Distribution abbreviated as: Ban = Bankura, Bar = Bardhaman, Bir = Birbhum, Dar = Darjeeling, Hao = Haora, Hug = Hugli, Jal = Jalpaiguri, KBi = Kooch Bihar, Mal = Maldah, Med = Medinipur, Nad = Nadia, Npg = North 24-Parganas, Spg = South 24-Parganas, WDj = West Dinajpur.

New Records abbreviated as: N. R. D. = New record from the district, N. R. S. = New record from the state, N. R. C = New record from the country.

Remark : To arrange the above nematodes in their systematic position, the classification

proposed by Jairajpuri and Ahmad (1992) was followed. But some of the free living nematode species, described by Sukul (1967b, 1973), was not accommodated in this classification. So such species have not been listed under their systematic position and are being mentioned separately with their habitats and localities inside parentheses, which are as follows :

1. *Tobrilus vibratus* Sukul, 1967 (soil around the roots of onion, Bankura district.
2. *Nygotylus annulatus* Sukul, 1973 (soil around the roots of ornamental plants of Santiniketan, Birbhum district.

3. *Nyggellus brachyuris* Sukul, 1973 (soil around the roots of Sesamum, Bankura district).
4. *Ooinchus setosus* Sukul, 1973 (soil around the roots of rose, Birbhum district).

SUMMARY

119 species belonging to the orders Dorylaimida Pearse, 1942 and 2 species of the order Triplonchida Cobb, 1920, described and reported from different district of West Bengal, has been listed. Most of

these are free-living (saprophytic, mycetophagous, omnivorous, carnivorous, predatory etc.) in nature and some are phytophagous. The dorylaimid nematodes associated with jute and paddy was extensively studied by different authors. The nematodes have been reported from almost all the districts except Purulia.

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