

# CONTENTS

Preface .....	7
<b>Introduction</b> .....	11
<b>Methods of study of fish nematodes</b> .....	17
<b>Morphology and taxonomy of fish nematodes</b> .....	26
<b>Biology of nematodes maturing in fishes</b> .....	35
Liberation of nematode reproductive products from the host .....	35
Reproductive period of nematodes and their dispersion .....	37
Life cycles .....	37
Intermediate hosts in fish nematodes .....	39
Definitive host .....	41
<b>Influence of the environment on the species composition of nematodes parasitic in fishes, their geographical distribution and host specificity</b> .....	43
<b>Neotropical fauna of fish nematodes</b> .....	45
List of nematodes of freshwater fishes in the Neotropical Region .....	49
<b>Pathogenicity of nematodes parasitizing freshwater fishes</b> .....	56
<b>Systematic review of the nematodes parasitizing Neotropical freshwater fishes</b> .....	61
Adult nematodes .....	61
Order Enoplida .....	61
Family Capillariidae .....	62
Family Cystoosidae .....	95
Order Oxyurida .....	97
Family Pharyngodonidae .....	98
Order Ascaridida .....	127
Family Atractidae .....	128
Family Kathlaniidae .....	137
Family Quimperiidae .....	149
Family Cucullanidae .....	157
Family Anisakidae .....	191
Order Spirurida .....	222
Family Camallanidae .....	224
Family Guyanemidae .....	294
Family Daniconematidae .....	310
Family Philometridae .....	314
Family Gnathostomatidae .....	329
Family Rhabdochonidae .....	335
Family Cystidicolidae .....	349
Family Physalopteridae .....	368

Nematodes parasitic in fishes as larvae .....	370
Superfamily Dioctophymatoidea .....	371
Family Dioctophymatidae .....	371
Superfamily Ascaridoidea .....	378
Family Acanthocheilidae .....	380
Family Anisakidae .....	381
Family Ascarididae .....	399
Superfamily Cosmocercoidea .....	400
Family Kathlaniidae .....	400
Superfamily Seuratoidea .....	401
Superfamily Gnathostomatoidea .....	403
Family Gnathostomatidae .....	403
Superfamily Spiruroidea .....	410
Family Spirocercidae .....	410
Superfamily Acuaroidea .....	412
Family Acuariidae .....	412
<b>Host – nematode parasite list .....</b>	<b>414</b>
<b>References .....</b>	<b>437</b>
<b>Index .....</b>	<b>454</b>