

STUDIES ON THE GENUS *NYGOLAIMUS* COBB, 1913 (NEMATODA: NYGOLAIMIDAE) WITH DESCRIPTION OF TWO NEW SPECIES FROM PAKISTAN

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Abstract

Present work concerns the nygolaim nematodes belonging to the genus *Nygolaimus* Cobb, 1913. Accounts of the morphology of these nematodes with particular reference to those characters which are of taxonomic importance have been given. Two new species, *Nygolaimus neominimus* and *N. gigantus*, from Sindh, Pakistan are described and illustrated. A list of valid species of *Nygolaimus* is also given. *Nygolaimus neominimus* n. sp. collected around the roots of cotton, wheat and grasses from Lodhran, Punjab, Pakistan with L= 0.90-1.08 mm; a= 29.76-36.0; b= 3.51-3.83; c=43.82-58.95; V= 41.70-47.30%. It comes close to *N. anneckei* Heyns, 1968 and *N. herishi* Ahmad & Jairajpuri, 1980, but differs from both the species in having a small body, differently shaped lip region and tail. *Nygolaimus gigantus* n. sp., collected from wheat and grasses from Khiproo, Sindh, has L=1.98 mm; a= 43.56; b= 3.24; c= 56.43, V=57.80 %. It is closely related to *N. papillicaudatus* Heyns, 1968, but differs from it in having less set off lip region, shorter tail and stronger and longer tooth.