

Erratum: Morphological and Molecular Characterization of *Oscheius saproxylicus* sp. n. (Rhabditida, Rhabditidae) From Decaying Wood in Spain, With New Insights into the Phylogeny of the Genus and a Revision of its Taxonomy. DOI: 10.21307/jofnem-2019-053. Vol. 51

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Received for publication June 13, 2020.

Key to species identification

- 1a – Body length very long, 6 mm *latus*
- 1b – Body length shorter, less than 3.5 mm 2
- 2a – Stoma barrel-shaped or tubular; bursa peloderan (unknown in *O. tereticorpus* and *O. saproxylicus* sp. n.) 3
- 2b – Stoma tubular; bursa leptoderan or pseudopeloderan 16
- 3a – Each spicule visibly with different size *sechellensis*
- 3b – Both spicules with similar size 4
- 4a – Female rectum scarcely longer than the anal diameter 5
- 4b – Female rectum ca. 2 to 3 times longer than the anal diameter 6
- 5a – Body length less than 750 μ m; spicules 29 μ m long *debilicauda*
- 5b – Body length more than 750 μ m; spicules 32 to 48 μ m long *zarinae*
- 6a – Female tail short conoid ($c' < 4$) 7
- 6b – Female tail longer, elongate ($c' > 4$, rarely 3) 9
- 7a – Lip region slightly offset by depression; female rectum longer, 3 times anal body diam. *dolichura*
- 7b – Lip region not offset; female rectum shorter, 2 times anal body diam. 8
- 8a – Males as frequent as females; spicules longer, 35 μ m, exceeding the GP1 *janeti*
- 8b – Males very rare; spicules shorter, 22 to 30 μ m, not reaching the GP1 *dux*
- 9a – Lip region visibly narrower than adjacent part of body; spicules longer, more than 40 μ m 10
- 9b – Lip region equal or wider than adjacent part of body; spicules shorter, less than 30 μ m (unknown in *O. tereticorpus* and *O. saproxylicus* sp. n.) 11
- 10a – Male body more than 1mm long; spicules longer, 41 to 48 μ m *dolichuroides*
- 10b – Male body less than 1 mm long; spicules shorter, 50 to 52 μ m *karachiensis*
- 11a – Gymnostom anteriorly narrower, with convex walls 12
- 11b – Gymnostom with parallel walls 14
- 12a – Lip region offset by constriction; metacarpus slightly swollen *pseudodolichura*
- 12b – Lip region not offset or slightly offset by depression; metacarpus not swollen 13
- 13a – Lip region slightly offset by depression; gymnostom as long as promesostegostom; pharynx with metacarpus with sclerotized walls, valves-like; spermatheca differentiated in a sac *tereticorpus*
- 13b – Lip region not offset; gymnostom slightly shorter than promesostegostom; pharynx with metacarpus without sclerotized walls; spermatheca not differentiated in a sac *saproxylicus* sp. n.
- 14a – Lip region slightly offset; female rectum ca. two times longer than ABW; GP1 very anterior, outside of the range of the spicules *guentheri*
- 14b – Lip region not offset; female rectum ca. three times longer than ABW; GP1 at spicules level 15
- 15a – Body length slightly larger (584-801 μ m long); neck slightly shorter relative to the body length ($b = 4.4-6.0$); female tail slightly shorter (63-81 μ m, $c = 8.6-11.8$, $c' = 3.5-5.0$) *onirici*
- 15b – Body length slightly smaller (505-691 μ m long); neck slightly longer relative to the body length ($b = 3.9-4.9$); female tail slightly longer (70-95 μ m, $c = 6.2-8.5$, $c' = 4.2-6.4$) *tipulae*
- 16a – Female rectum ca. as long or slightly longer than anal body width 17

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- 16b – Female rectum longer than body width 22
17a – GP1 very reduced 18
17b – All GPs with similar size 20
18a – Spicules distally straight *wohlgemuthi*
18b – Spicules distally slightly hook-like 19
19a – Female body less than 1.7 mm long *cynodonti*
19b – Female body more than 1.8 mm long
rupraekramae
20a – Female stoma 21 to 28 μm long *colombianus*
20b – Female stoma 12 to 20 μm long 21
21a – Female body 0.9 to 1.3 mm long; female tail
more slender ($c' = 4.6\text{-}5.9$) *magbooli*
21b – Female body 1.3 to 1.8 mm long; female tail
shorter ($c' = 2.9\text{-}4.2$) *esculentus*
22a – Stomatal tube shorter, ca. 1.0 to 2.0 times
longer than wide 23
22b – Stomatal tube longer, ca. 2.5 to 3.0 times
longer than wide 30
23a – Cheilostom as long as stomatal tube length
insectivorus
23b – Cheilostom one third of the stomatal tube
length 24
24a – GP1 very separated from GP2, and GP2-3
very close *caulleryi*
24b – GP1-2 distance similar or slightly more than
GP2-3 distance 25
25a – Spicules with ventral bent tip 26
25b – Spicules with thin tip, crochet needle-like 28
26a – Spicules 43 to 52 μm , with thin tip; GP1-2
distance similar to GP2-3 distance *niazii*
26b – Spicules 50 to 62 μm , with thick tip; GP1-2
distance slightly more than GP2-3 distance 27
27a – Male tail shorter (20-32 μm long) *cobbi*
27b – Male tail longer (38-45 μm long) *siddiqii*
28a – Female rectum ca. 1.5 times longer than
ABW; spicules shorter, 34 to 44 μm long *necromenus*
28b – Female rectum ca. 2.0 to 2.5 times longer
than ABW; spicules longer, 45 to 70 μm long 29
29a – Spicules shorter (45-51 μm long) *andrassyi*
29b – Spicules longer (57-70 μm long) *citri*
30a – Spicules ventrad curved, as long as anal
body width *esperacensis*
30b – Spicules almost straight, longer than anal
body width 31
31a – Spicules ca. 1.5 times longer than the
gubernaculum *myriophilus*
31b – Spicules ca. 2–3 times longer than the
gubernaculum 32
32a – Spicules with manubrium longer than
wide 33
32b – Spicules with manubrium as long as
wide 35
33a – Lip region higher, twice wider than high
lucianii
33b – Lip region lower, three times wider than
high 34
34a – Stoma shorter, 9 to 10 μm ; female tail
shorter, ($c' = 3.1\text{-}4.8$, rarely longer) *chongmingensis*
34b – Stoma longer, 13 to 18 μm ; female tail
longer, ($c' = 5.0\text{-}6.6$) *indicus*
35a – Female rectum ca. 3.0 to 4.5 times longer
than anal body width *shamimi*
35b – Female rectum ca. 1.5 to 2.0 times longer
than anal body width 36
36a – Female tail shorter, $c' = 2.2$ to 3.1 *rugaensis*
36b – Female tail longer, $c' = 3.2$ to 6.7 37
37a – Male tail with mucro shorter than
gubernaculum; spicules with conoid manubrium
nadarajani
37b – Male tail with mucro longer than
gubernaculum; spicules with rounded manubrium
carolinensis