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**Annals of XI Brazilian  
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Summer Meeting Brazil**



**Santos (Brazil) - 2022**





CONGRESSO BRASILEIRO SOBRE CRUSTÁCEOS (CBC)  
THE CRUSTACEAN SOCIETY (TCS) SUMMER MEETING



**THEME**

**Tradition and Innovation:  
Integrative Approaches to Crustacean Studies**

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## A NEW SPECIES OF *Hyaella* SMITH, 1874 (AMPHIPODA: HYALELLIDAE) FROM PARQUE ESTADUAL TURÍSTICO DO ALTO RIBEIRA – PETAR/SÃO PAULO, BRAZIL

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The amphipod genus *Hyaella* is exclusive to the Americas and Brazil holds most of its known diversity. The genus can be found inhabiting a variety of freshwater environments, outside (epigeic species) and inside caves (hypogean species). Here we present a new species of *Hyaella* that is found on a cave of Parque Estadual Turístico do Alto Ribeira – PETAR, only this species presents no visible adaptation to the life in subterranean habitats. Collections were a part of the management plan project, with the authorization of COTEC/FF – SISBIO 20165. The new species main features include antenna 1 longer than the flagellum of antenna 2, aesthetascs occurring on flagellum from the article 7 distally; maxilla 1 with 8 serrate seta apically on outer plate and palp relatively long, longer than half the distance between base of palp and base of setae on outer plate; maxilliped palp heavily setose on inner margin of articles 1–3; gnathopods 1 and 2 with polygonal pattern on the disto-posterior margin; pleopods longer than uropod 1, with long rami, bearing several plumose setae; uropod 1 without a curved seta on the inner ramus; uropod 2 longer than peduncle of uropod 1; uropod 3 with cuspidate seta on the peduncle and the ramus, ramus with an excavation close to the apex, bearing up to 2 setae; telson with up to 9 cuspidate setae with accessory seta apically and 3 plumose seta laterally on each side; epimeron 1 and 3 postero-distal margin subacute, epimeron 2 postero-distal margin acute. This new species is found at the Temimina II cave, but the observed animals all have normal eyes and pigmentation. There are other hypogean species of *Hyaella* found at PETAR, *Hyaella epikarstica* Rodrigues, Bueno and Ferreira, 2014 and *H. caeca* Pereira, 1989, both with visible adaptations to the underground.

**Keywords:** amphipods, morphology, Parque Estadual Turístico do Alto Ribeira, taxonomy.

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