

## Distribution extension of *Scinax hiemalis* (Haddad and Pombal, 1987) and new state record from Rio de Janeiro, southeastern Brazil (Amphibia: Anura: Hylidae)

Joana Caram\*, Cyro de Luna-Dias, Marcia dos Reis Gomes and Sergio Potsch de Carvalho-e-Silva

*Scinax hiemalis* (Haddad & Pombal, 1987) is a species of the *Scinax catharinae* group (Faivovich et al. 2005). Its type locality is Sousas, district of Campinas (state of São Paulo), but there are records in Serra do Japi (Jundiá) (Ribeiro et al. 2005), Botucatu and São Sebastião (Lourenço et al. 2009), all in the state of São Paulo.

*Scinax hiemalis* is a small sized species which is characterized by having a subgular and lateralized vocal sac, interocular spot obtriangular shaped, presence of a tubercle between the eye and the nostril and inguinal skin fold (Fig. 1).

During a field work expedition in May and June 1992, 13 individuals of *Scinax hiemalis* were collected in an artificial pond known as Lago do Jaci in the buffer zone of Parque Nacional da Serra dos Órgãos, Teresópolis municipality, state of Rio de Janeiro. This pond is the result of the damming of a tributary of the Rio Paquequer in Granja Guarani. The collected individuals

are housed in the amphibian collection of Departamento de Zoologia, Universidade Federal do Rio de Janeiro (ZUFJRJ Collection) under the numbers: ZUFJRJ 5012, 5013, 5033, 5034, 5036, 5038, 5040, 5041, 5042, 5044, 5045, 5046 and 5048. Those specimens were compared with the following topotypes for species identification: ZUFJRJ 1699, 2683, 4167.

The analyzed characters used to assign the new specimen to *S. hiemalis* are: head length slightly greater than 1/3 of the total length; tympanum diameter approximately half of the interocular distance; hands webbed; adhesive disc of first finger reduced; a small subarticular tubercle in each finger and a big one in the fourth finger; small supernumerary tubercles between the palm and base of the 3rd and 4th fingers; adhesive discs on toes equal in size to the fingers; web between the 1st and 2nd toes slightly developed; inner metatarsal tubercle more developed than the outer.

Field observations show that the specimens were active during the winter.

This is the first record of *Scinax hiemalis* outside the state of São Paulo, and the new locality at Teresópolis municipality (22° 26' 53"S 42° 59' 28"W), is 412 km away from to the type locality and 290 km away from São Sebastião, the closest record in the state of São Paulo (Fig. 2).

1 Universidade Federal do Rio de Janeiro, Instituto de Biologia, Departamento de Zoologia. Caixa Postal 68044. CEP 21944-970. Rio de Janeiro, RJ, Brazil; e-mail: joanacaram@gmail.com

\* Corresponding author.

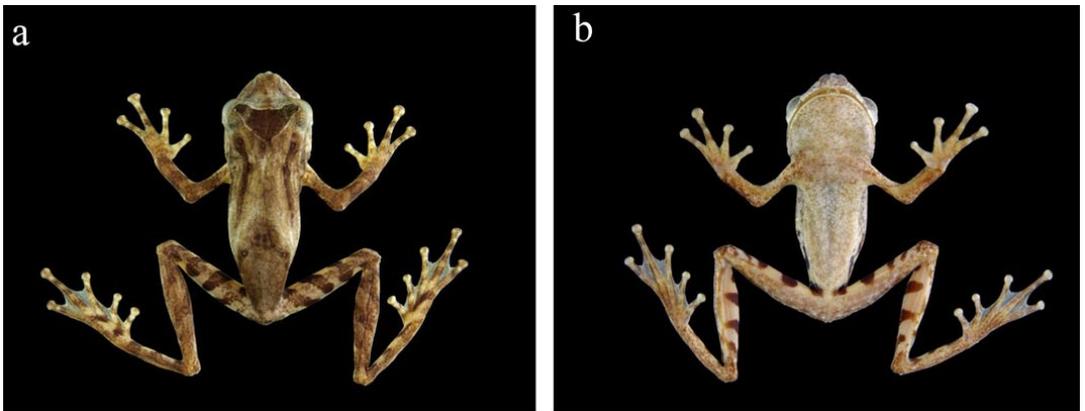
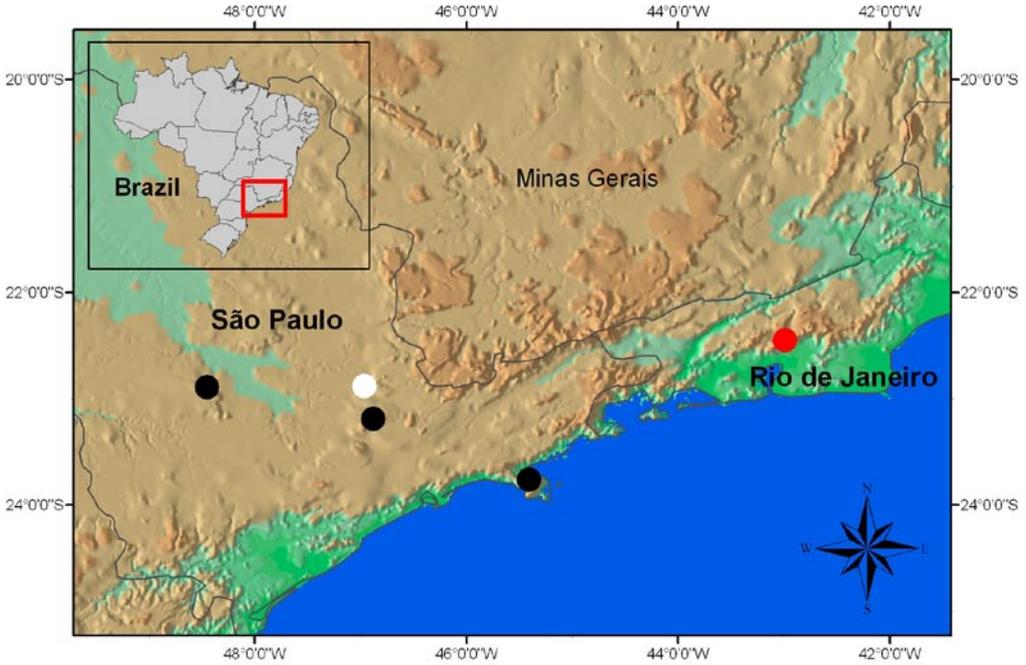


Figure 1. *Scinax hiemalis* (ZUFJRJ 5044) from Teresópolis. A. Dorsal view; B. Ventral view.



**Figure 2.** Distribution map of *Scinax hiemalis*. White circle: Type locality. Black circles: previous known localities. Red circle: new record in the municipality of Teresópolis.

**Acknowledgment.** We thank Ana Maria Paulino Telles de Carvalho-e-Silva for reading the manuscript and make a brief evaluation as a pre-peer review.

## References

- Faivovich, J., Haddad, C.F.B., Garcia, P.C.A., Frost, D.R., Campbell, J.A., & Wheeler, W.C. (2005): Systematic review of the frog family Hylidae, with special reference to Hylinae: phylogenetic analysis and taxonomic revision. *Bull. Am. Mus. Nat. Hist.* **294**:1–240.
- Haddad, C. F. B. & Pombal Jr., J.P. (1987): *Hyla hiemalis*, nova espécie do grupo rizibilis do Estado de São Paulo (Amphibia, Anura, Hylidae). *Rev. Bras. Biol.* **47**(1/2): 127-132.
- Lourenço, A.C.C.; Nascimento, L.B. & Pires, M.R.S. (2009): A new species of the *Scinax catharinae* species group (Anura: Hylidae) from Minas Gerais, Southeastern Brazil. *Herpetologica* **65**(4):468-479.
- Ribeiro, R. S.; Egitto, G. T. B. T. & Haddad, C. F. B. (2005): Chave de identificação: anfíbios anuros da vertente de Jundiá da Serra do Japi, Estado de São Paulo. *Biota Neotropica* **5**(2).