

New records and distribution map of *Ecleopopus gaudichaudii* (Reptilia, Squamata, Gymnophthalmidae) in southeastern Brazil

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Ecleopopus gaudichaudii Duméril & Bibron, 1839 (Gymnophthalmidae) is a small (about 50 mm SVL) lizard occurring in the Atlantic forests of Brazil, where it inhabits the forest leaf-litter and feeds on small invertebrates (Eisenberg *et al.*, 2004). The distribution of *E. gaudichaudii* (figure 1) extends throughout southeastern and southern Brazil, but there are only few precise records about the species distribution in the southeastern region (states of Minas Gerais, Rio de Janeiro and São Paulo) (Dixo & Verdade, 2006; Condez *et al.*, 2009; Costa *et al.*, 2009; Metzger *et al.*, 2006; Dixo & Metzger, 2009; Rocha *et al.*, 2003; Carvalho *et al.*, 2007; Marques *et al.*, 2009; Rodrigues *et al.*, 2007). In Rio de Janeiro, *E. gaudichaudii* is recorded on Marambaia island, in Mangaratiba municipality, and Ilha Grande island, Angra dos Reis municipality (Carvalho *et al.*, 2007; Rocha & Van Sluys, 2006), and in Minas Gerais it has been recorded in Viçosa

municipality, in the Estação Ecológica da Universidade Federal de Minas Gerais, Belo Horizonte municipality, and Reserva Particular do Patrimônio Natural Feliciano Miguel Abdala, Caratinga municipality (Costa *et al.*, 2009; Eisenberg *et al.*, 2004). In this note, we present new records for *E. gaudichaudii* in the states of Rio de Janeiro and Minas Gerais.

The new records were obtained by analysis of the *Coleção de Répteis do Museu Nacional, Universidade Federal do Rio de Janeiro (MNRJ)*, in Rio de Janeiro, RJ, Brazil. The taxonomic identification in this study was confirmed by the analysis of the specimens and based on their provenance we generated a distribution map of the species in southeastern Brazil, also including previous records from the literature.

We register here 33 specimens of *E. gaudichaudii* listed in table 1 with their respective voucher numbers and localities from the states of Rio de Janeiro (27 specimens) and Minas Gerais (six specimens). With the exception of the municipality of Mangaratiba (Rio de Janeiro) and Viçosa (Minas Gerais), all localities reported here are new records for the species. The updated distribution map of *Ecleopopus gaudichaudii* is presented in figure 2.

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Figure 1. Specimen of *Ecleopopus gaudichaudii* from Rio de Janeiro state, Brazil.

Table 1. Localities of the analyzed specimens with respective coordinates and voucher numbers.

Museum ID	State	Municipality	Locality	Coordinates
MNRJ 16433	RJ	Campos dos Goytacazes	Lagoa de Cima	21°44'50"S, 41°30'33"W
MNRJ 16434	RJ	Campos dos Goytacazes	Lagoa de Cima	21°44'50"S, 41°30'33"W
MNRJ 16368	RJ	Itaperuna	Fazenda São Vicente	21°04'58"S, 42°01'20"W
MNRJ 18075	RJ	Cachoeiras de Macacu	Fazenda Santa Bárbara	22°27'49"S, 42°39'10"W
MNRJ 12352	RJ	Cachoeiras de Macacu	Reserva Ecológica de Guapiaçu	22°29'04"S, 42°40'14"W
MNRJ 12089	RJ	Guapimirim	Estação Ecológica do Paraíso	22°29'02"S, 42°56'46"W
MNRJ 12096	RJ	Guapimirim	Estação Ecológica do Paraíso	22°29'02"S, 42°56'46"W
MNRJ 14551	RJ	Casimiro de Abreu	Reserva Biológica União	22°27'23"S, 42°01'59"W
MNRJ 15429	RJ	Casimiro de Abreu	Reserva Biológica União	22°27'23"S, 42°01'59"W
MNRJ 15563	RJ	Casimiro de Abreu	Reserva Biológica União	22°27'23"S, 42°01'59"W
MNRJ 15564	RJ	Casimiro de Abreu	Reserva Biológica União	22°27'23"S, 42°01'59"W
MNRJ 17319	RJ	Santa Maria Madalena	Parque Estadual do Desengano	21°53'03"S, 41°55'03"W
MNRJ 15262	RJ	Mangaratiba	Reserva Rio das Pedras	22°59'29"S, 44°06'01"W
MNRJ 15263	RJ	Mangaratiba	Reserva Rio das Pedras	22°59'29"S, 44°06'01"W
MNRJ 4519	RJ	Mangaratiba	Itacuruçá	22°54'49"S, 43°54'33"W
MNRJ 9792	RJ	Angra	Ilha Grande	23°10'56"S, 44°12'50"W
MNRJ 14143	RJ	Niterói	Itaipu	22°56'59"S, 43°02'02"W
MNRJ 17339	RJ	Niterói	Itaipu	22°56'59"S, 43°02'02"W
MNRJ 3717	RJ	Rio de Janeiro	Floresta da Tijuca	22°57'37"S, 43°16'23"W
MNRJ 4520	RJ	Rio de Janeiro	Parque Henrique Lage	22°57'38"S, 43°12'47"W
MNRJ 2131	RJ	Rio de Janeiro	Jacarepaguá	22°54'47"S, 43°20'02"W
MNRJ 2129	RJ	Rio de Janeiro	Realengo	22°53'56"S, 43°25'42"W
MNRJ 2132	RJ	Rio de Janeiro	Recreio dos Bandeirantes	22°57'21"S, 43°23'50"W
MNRJ 2133	RJ	Rio de Janeiro	Recreio dos Bandeirantes	22°57'21"S, 43°23'50"W
MNRJ 4514	RJ	Nova Iguaçu	Rebio Tinguá	22°32'30"S, 43°22'17"W
MNRJ 16435	RJ	Nova Iguaçu	Rebio Tinguá	22°32'30"S, 43°22'17"W
MNRJ 2564	MG	Lavras		21°14'44"S, 44°59'59"W
MNRJ 18738	MG	Catas Altas da Noruega	Fazenda Ouro Verde	20°40'39"S, 43°29'46"W
MNRJ 18739	MG	Catas Altas da Noruega	Fazenda Ouro Verde	20°40'39"S, 43°29'46"W
MNRJ 18740	MG	Catas Altas da Noruega	Fazenda Ouro Verde	20°40'39"S, 43°29'46"W
MNRJ 4517	MG	Juiz de Fora		21°45'51"S, 43°20'58"W
MNRJ 4516	MG	Viçosa		20°45'16"S, 42°52'57"W

The localities in Rio de Janeiro and Minas Gerais states cited above are characterized by dense rainforests and semi-deciduous seasonal forests (phytophysiognomies of the Atlantic Forest biome) (Instituto Brasileiro de

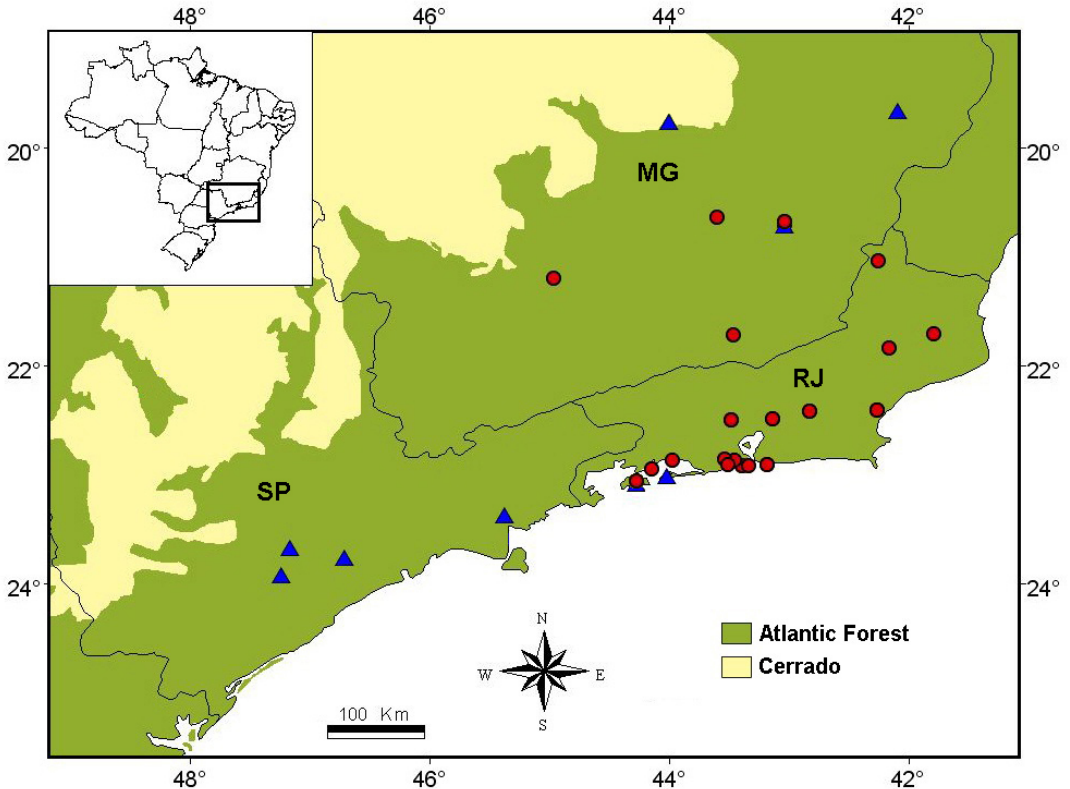


Figure 2. Distribution for *Ecleopus gaudichaudii* in southeastern Brazil – RJ: Rio de Janeiro, MG: Minas Gerais, SP: São Paulo. Blue triangles represent previously reported localities; red circles represent the new records.

Geografia e Estatística, 2004).

With these new records, the known distribution of *E. gaudichaudii* is expanded, especially in the state of Rio de Janeiro, where it was previously recorded for two localities only, and we conclude that its distribution is widespread throughout the state. The species' distribution in Minas Gerais state is also expanded.

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References

- Carvalho, A.L.G., Araujo, A.F.B., Silva, H.R. (2007): Lagartos da Marambaia, um remanescente insular de Restinga e Floresta Atlântica no Estado do Rio de Janeiro, Brasil. *Biota Neotrop.* 7(2): 221-226.
- Condez, T.H., Sawaya, R.J., Dixo, M. (2009): Herpetofauna dos remanescentes de Mata Atlântica da região de Tapirai e Piedade, SP, sudeste do Brasil. *Biota Neotrop.* 9(1): 1-29.
- Costa, H.C., Fernandes, V.D., Feio, R.N. (2009): Lizards and Amphisbaenians, municipality of Viçosa, state of Minas Gerais, southeastern Brazil. *Check List* 5(3): 732-745.
- Dixo, M., Verdade, V.K. (2006): Herpetofauna de serrapilheira da Reserva Biológica de Morro Grande, Cotia (SP). *Biota Neotrop.*, 6(2): <http://www.biotaneotropica.org.br/v6n2/pt/fullpaper?bn00806022006+pt> (last access in 20/04/2010).
- Dixo, M., Metzger, J.P. (2009): Are corridors, fragment size and forest structure important for the conservation of leaf-litter lizards in a fragmented landscape? *Fauna & Flora Intern.*, Oryx, 43(3): 435-442.
- Eisenberg, C.C., Cassimiro, J., Bertoluci, J. (2004): Notes on the diet of the rare gymnophthalmid lizard *Ecleopus gaudichaudii* from southeastern Brazil. *Herpetol. Rev.* 35(4): 336-337.
- Instituto Brasileiro de Geografia e Estatística. (2004). Mapa de Vegetação do Brasil. 3. ed. Instituto Brasileiro de Geografia e Estatística. 1 mapa. Escala 1:5.000.000.
- Marques, O.A.V., Pereira, D.N., Barbo, F.E., Germano, V.J., Sawaya, R.J. (2009): Os Répteis do Município de São Paulo: diversidade e ecologia da fauna pretérita e atual. *Biota Neotrop.*, 9(2): 139-150.
- Metzger, J.P., Alves, L.F., Pardini, R., Dixo, M., Nogueira, A.A., Negrão, M.F.F., Martensen, A.C., Catharino, E.L.M. (2006): Características ecológicas e implicações para a conservação da Reserva Florestal do Morro Grande. *Biota Neotrop.* 6(2): <http://www.biotaneotropica.org.br/v6n2/pt/fullpaper?bn01006022006+pt> (last access in 20/04/2010).

- Rocha, C.F.D., Bergallo, H.G., Pombal JR., J.P., Geise, L., Van Sluys, M., Fernandes, R., Caramaschi, U. (2003): Fauna de anfíbios, répteis e mamíferos do Estado do Rio de Janeiro, Sudeste do Brasil. *Publ. Avul. Mus. Nac., Rio de Janeiro* **104**: 3-23.
- Rocha, C.F.D., Van Sluys, M. (2006). New records of reptiles from Ilha Grande island in Rio de Janeiro state, Brazil. *Herpetol. Rev.* **37**(1): 112-114.
- Rodrigues, M.T., Pellegrino, K.C.M., Dixo, M., Verdade, V.K., Pavan, D., Argôlo, A.J.S., Sites Jr., J.W. (2007). A new genus of microteiid lizard from the Atlantic Forest of State of Bahia, Brazil, with a new generic name for *Colobosaura mentalis*, and discussion of relationships among the Heterodactylini (Squamata, Gymnophthalmidae). *Am. Mus. Novit.* **3565**: 1-27.