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UDC [Universal Decimal classification] 598.112

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The use of GIS modeling for the analysis of the distribution of three-lined lizard, *Lacerta media* Lantz et Cyrén, 1920, in the territory of Dagestan (Russia)

[empty line]

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ABSTRACT [200–300 words for manuscripts exceeding 20000 characters]

[Text of Abstract in English]

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Key words [in alphabetic order]: area, Dagestan, Caucasus, *Lacerta media*, MaxEnt, modeling

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Submitted July 13, 2017; revised October 15, 2018; accepted November 19, 2018.

* Corresponding author / Автор-корреспондент.

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Использование ГИС-моделирования для анализа распространения средней ящерицы, *Lacerta media*

Lantz et Cyrén, 1920, на территории Дагестана (Россия)

[empty line]

И.В. Доронин^{1*}, Л.Ф. Мазанаева² и М.А. Доронина¹

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РЕЗЮМЕ [200–300 слов для рукописей объемом не менее 20000 знаков]

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Ключевые слова [order as in English variant]: ареал, Дагестан, Кавказ, *Lacerta media*, MaxEnt, моделирование

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Представлена 13 июля 2017; после доработки 15 октября 2018; принята 19 ноября 2018.

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INTRODUCTION

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Institutional abbreviations [in alphabetic order]. ZIN, Zoological Institute of the Russian Academy of Sciences (Saint Petersburg, Russia); PIN, Paleontological Institute of the Russian Academy of Sciences (Moscow, Russia).

MATERIAL AND METHODS

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SYSTEMATICS [RESULTS – for non-taxonomic papers]

[Number and sequence of sections below may vary, see below]

[empty line]

Superfamily Testudinoidea Batsch, 1788

Family Lindholmemydidae Chkhikvadze in Shuvalov et Chkhikvadze, 1975

Genus *Mongolemys* Khosatzky et Mlynarski, 1971

***Mongolemys* [species name] Sukhanov et Danilov sp. nov.**

(Figs 1–3, 4A, 5B–D. Pl. I, figs. 1, 2)

[empty line]

Holotype. [Collection number], complete skeleton; Nogon Tsav locality, Transaltai Gobi, Mongolia; Nemegt Formation, Upper Cretaceous, Maastrichtian; Coll.: V.B. Sukhanov, 1976.

[empty line]

Paratype. [Collection number], complete shell; Nogon Tsav locality, Transaltai Gobi, Mongolia; Nemegt Formation, Upper Cretaceous, Maastrichtian; Coll.: V.B. Sukhanov, 1976.

[empty line]

Material. [Collection number], complete shell; Nogon Tsav locality, Transaltai Gobi, Mongolia; Nemegt Formation, Upper Cretaceous, Maastrichtian; Coll.: V.B. Sukhanov, 1976. [Instead or in addition to subdivisions “**Holotype**”, “**Paratype(s)**” and “**Material**”, subdivisions “**Type material**” and “**Type depositories**” may be used.]

[empty line]

Etymology.

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Differential diagnosis. New species differs from all other species of the genus by ... [If subdivision “**Diagnosis**” is used, then subdivision “**Comparison**” must be present].

[empty line]

Description [Redescription].

[empty line]

Remarks.

[empty line]

Distribution.

[empty line]

DISCUSSION

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CONCLUSION

[empty line]

ACKNOWLEDGEMENTS

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REFERENCES

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1. Papers in periodicals:

Gnezdilov V.M. and Wilson M.R. 2008. Revision of the genus *Falcidius* Stål (Hemiptera: Fulgoroidea: Issidae). *Journal of Natural History*, **42**(21–22): 1447–1475. <https://doi.org/10.1080/00222930802106229>

2. Monographs and books:

Balashov Yu.S. 1998. Ixodid ticks – parasites and vectors of infections. Nauka, Saint Petersburg, 287 p. [In Russian].

Meigen J.W. 1800. Nouvelle classification des mouches à deux ailes (Diptera L.) d'après un plan tout nouveau. Perronneau, Paris, 40 p.

3. Book chapters:

Cumming J.M. and Wood D.M. 2009. Adult morphology and terminology. In: B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood and M. Zumbado (Eds). *Manual of Central American Diptera*. Vol. 1. NRC Research Press, Ottawa: 9–50.

Du Puy D.J. and Moat J. 1996. A refined classification of the primary vegetation of Madagascar based on the underlying geology: using GIS to map its distribution and to assess its conservation status. In: W.R. Lourenco (Ed.). *Biogeographie de Madagascar*. ORSTOM, Paris: 205–218.

4. Abstracts of presentations at congresses and symposia:

Trikolidi F.A. 2008. The remains of chondrichtian fish Hexanchidae from the Lower Cretaceous in the Crimea. Materials of 4th All-Russian Meeting: The Cretaceous system in Russia and the near abroad: problems of stratigraphy and paleogeography (19–23 September 2008, Novosibirsk). Siberian branch of the Russian Academy of Sciences, Novosibirsk: 174–176. [In Russian].

5. Theses:

Kurey W.J. 1976. Ectoparasitic Acarina (Analloidea) from non-passeriform birds of North America. MS thesis. Youngstown State University, Youngstown, 60 p.

6. Theses' abstracts:

Mironov S.V. 1998. Feather mites of the families Avenzoariidae and Alloptidae (systematics, phylogeny and co-evolutionary relationships with birds). Abstract of the Doctor of Biological Sciences thesis. TzOP SPBGU, Saint Petersburg, 46 p. [In Russian].

7. Software programs:

Sorenson M.D. 1999. TreeRot. Version 2. University of Boston, Boston.

8. Internet resources:

Beccaloni G.W. 2014. Cockroach Species File Online. Version 5.0/5.0. World Wide Web electronic publication. Available from: <http://Cockroach.SpeciesFile.org> (accessed 24 April 2018)

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FIGURE CAPTIONS

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Fig. 1. Distribution of wax glands on the body of mealybugs: A – ovipositor species; B – ovoviviparous species.

TABLES [separate file for each table]

Table 1. Measurements (mm) of the mandible of the woolly mammoth (*Mammuthus primigenius*).