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**Новые региональные находки видов рода *Cotoneaster* Medik.  
(Rosaceae Juss.) в Монголии**

**New regional records of the genus *Cotoneaster* Medik.  
(Rosaceae Juss.) in Mongolia**

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**Реферат.** Эта работа является результатом ревизии таксономического состава монгольского рода *Cotoneaster* Medik. В настоящее время во флоре Монголии насчитывается 5 видов кизильников. Мы указываем 6 новых региональных находок по двум видам (*Cotoneaster neo-popovii* Czer., *C. uniflorus* Bunge) в фитогеографических регионах Монголии.

**Summary.** This is a revision of the taxonomic composition of the Mongolian genus *Cotoneaster* Medik. At present, there are 5 species in the flora of Mongolia. We added 6 new regional records of 2 species (*Cotoneaster neo-popovii* Czer., *C. uniflorus* Bunge) from phytogeographical regions of Mongolia.

### Introduction

The genus *Cotoneaster* Medik. (Rosaceae Juss., 1789) is slightly known taxonomically in Mongolia. V. I. Grubov (1982) first registered 3 species, later N. Ulzijkhutag (1984) added 4 species, Gubanov's conspectus (1996) included 5 species and at least M. Urgamal (Urgamal et al., 2014) registered 5 species of the genus in the flora of Mongolia (Table 1).

### Material and Methods

The *Cotoneaster* specimens from the Herbarium of the Institute of general and experimental Biology (UBA), Mongolian Academy of Science, the Herbarium of the National University of Mongolia (UBU) as well as additional data were used for the study. In a total of 218 sheets of specimens collected by numerous scientists during a period from between 1912 to 2016 years were studied. The nomenclature and taxonomy follow works of Пояркова (1939).

### Results and Discussion

The taxonomy of *Cotoneaster* in Mongolia is revised here. Currently 5 species are listed for Mongolia. Our study shows the revision of species according to their distribution in phytogeographical regions of the Mongolia (Urgamal et al., 2014) (Table 2). These results are based on the Herbarium (UBA) data.

According to our research, we have identified 6 new regional records of 2 species of the genus *Cotoneaster* Medik. in Mongolia (Table 3, Fig. 1, Fig. 2).

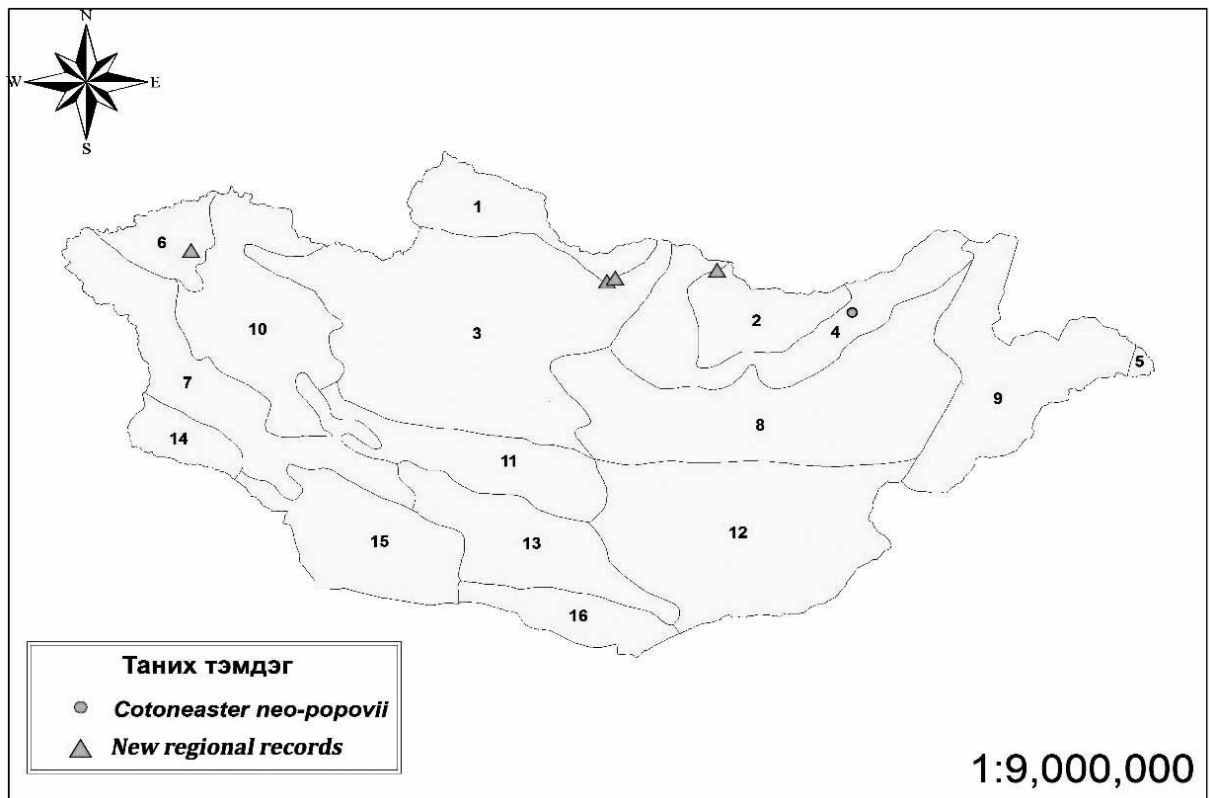


Figure 1. New distribution of *Cotoneaster neo-popovii* Czer. in phytogeographical regions of Mongolia.

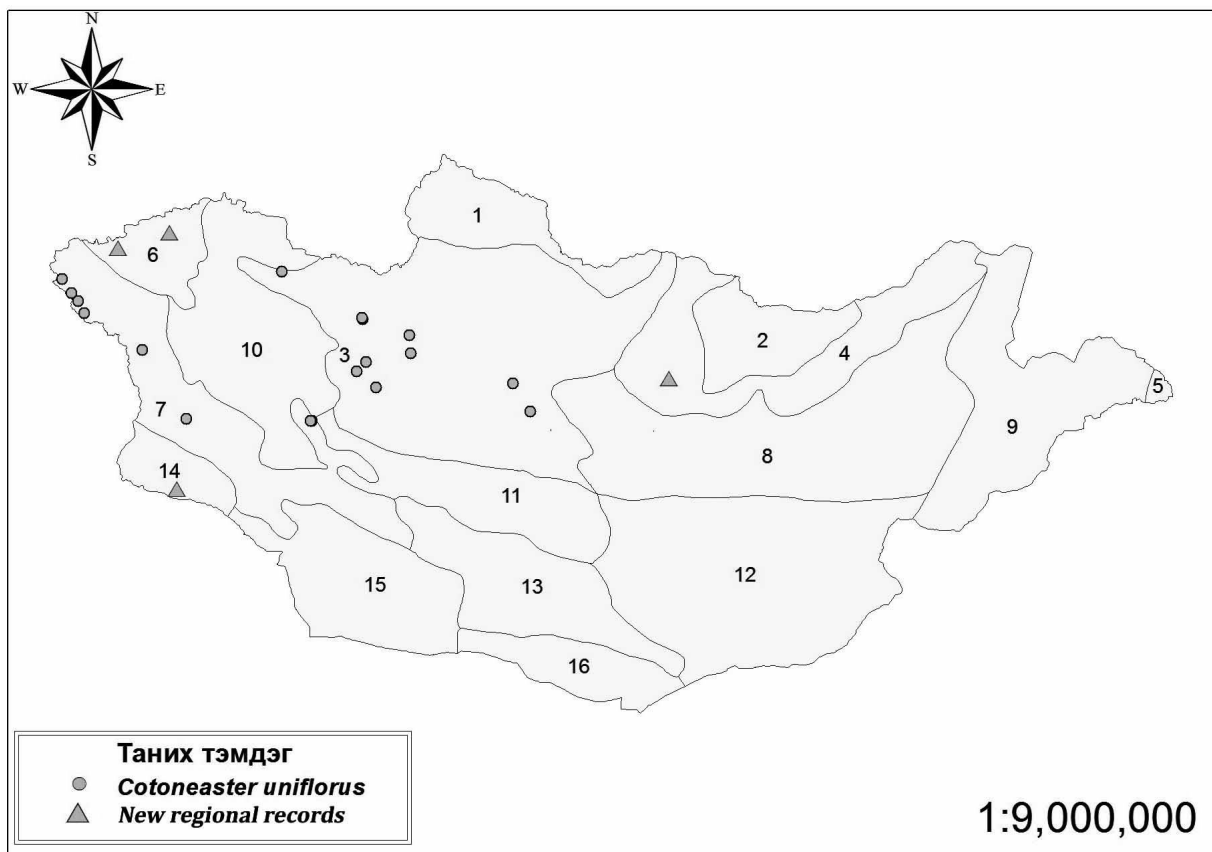


Figure 2. New distribution of *Cotoneaster uniflorus* Bunge in phytogeographical regions of Mongolia.

Table 1

History of the species from genus *Cotoneaster* in the flora of the Mongolia

Sources and references Species	Grubov V.I. (1982)	Ulzijkhutag N. (1984)	Gubanov I.A. (1996)	Urgamal et al. (2014)	At present (in this paper)
1. <i>C. megalocarpus</i> Popov	+	+	+	+	+
2. <i>Cotoneaster melanocarpus</i> Lodd., G. Lodd. & W. Lodd.	+	+	+	+	+
3. <i>C. mongolicus</i> Pojark.	+	+	+	+	+
4. <i>C. neo-popovii</i> Czer.	-	-	+	+	+
5. <i>C. uniflorus</i> Bunge	-	+	+	+	+
<b>Total species number</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>5</b>

Table 2

The number of phytogeographical regions of the Mongolia where *Cotoneaster* species occur (by Grubov, 1982)

Species name	Number of phytogeographical regions
1. <i>Cotoneaster melanocarpus</i>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14
2. <i>C. megalocarpus</i>	7
3. <i>C. mongolicus</i>	2, 3, 4, 5, 7, 8, 9, 12
4. <i>C. neo-popovii</i>	2+ (it's paper), 3+ (it's paper), 4, 6+ (it's paper)
5. <i>C. uniflorus</i>	1, 2, 3, 4+ (it's paper), 6+ (it's paper), 7, 8, 13, 14+ (it's paper)

(+) new additions of records to phytogeographical region

Table 3

New distribution records of *Cotoneaster* species in phytogeographical regions of Mongolia

№	Species number	Location	Date	Collector
1.	+ <i>Cotoneaster neo-popovii</i>	Province – Selenge, somon – Khuder, river of Khuder gol	VIII.16.1972	Dariimaa Sh., Zumberelmaa D., Norov D.
2.	+ <i>Cotoneaster neo-popovii</i>	Province – Bulgan, somon – Khylganat, river of Selenge gol	VI.29.1980	Dariimaa Sh., Zumberelmaa D., Norov D.
3.	+ <i>Cotoneaster neo-popovii</i>	Province – Bulgan, somon – Khylganat, river of Selenge gol	VI.30.1980	Dariimaa Sh., Zumberelmaa D., Norov D.
4.	+ <i>Cotoneaster neo-popovii</i>	Province – Uvs, somon – Tarialan, mountain of Kharkhiraa uul	VIII.10.1964	Davaajamts Ts., Sanchir Ch.
5.	+ <i>Cotoneaster uniflorus</i>	Province – Tuv, somon – Argalant, mountain of Argalant uul	VIII.16.1972	Grubov V.I.
6.	+ <i>Cotoneaster uniflorus</i>	Province – Bayan–Ulgii, somon – Tsengel, mountain of Ikh Turgen uuls	VIII.06.2016	Gundegmaa V.

Table 3 (end)

7.	+ <i>Cotoneaster uniflorus</i>	Province–Uvs, somon–Turgen, river of Burgastai gol in mountain of Tugen uul	VII.25.1964	Davaajamts Ts., Sanchir Ch.
8.	+ <i>Cotoneaster uniflorus</i>	Province–Khovdo, somon–Altai, mountain of Khartolgoit uul	VIII.21.1981	Razkovskay Z.

(+) new records added to phytogeographical region numbers of the flora of Mongolia (Fig. 1, 2).

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