

*Biology*

NEW PLANT SPECIES FOR IJEVAN FLORISTIC REGION (ARMENIA)

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11 new species and 2 new genera belonging to *Malvaceae*, *Onagraceae*, *Rosaceae*, *Asteraceae*, *Liliaceae*, *Lamiaceae*, *Boraginaceae*, *Papaveraceae*, *Crassulaceae* families were found during study of the flora and vegetation of Eastern part of Ijevan floristic region.

**Keywords:** *Malvaceae*, *Onagraceae*, *Rosaceae*, *Asteraceae*, *Liliaceae*, *Lamiaceae*, *Boraginaceae*, *Papaveraceae*, *Crassulaceae*.

11 vascular plant species belonging to *Malvaceae*, *Onagraceae*, *Rosaceae*, *Asteraceae*, *Liliaceae*, *Lamiaceae*, *Boraginaceae*, *Papaveraceae*, *Crassulaceae* families, new for Ijevan floristic region, are given in the article. *Papaveraceae* family is represented by *Papaver* and *Roemeria* genera. Among the new species there were species belonging to *Chamaenerion* and *Roemeria* genera, they are new for Ijevan floristic region.

During flora study of Eastern part of Ijevan floristic region in 2006–2012 11 new species of vascular plants were found for this region. The Plant Systematic and Phyto-Geography Department of Institute of Botany of NAS RA has already completed works on Academic Edition of “Flora of Armenia” (1954–2010) and currently works on plant “Manual of Armenia”. The collected materials will help to clarify the distribution of these species and will be used in this “Manual”. Two of registered species belong to *Papaveraceae* family. Two genera (*Chamaenerion* and *Roemeria*) are new for Ijevan floristic region.

1. *Alcea softhiae* Iljin (*Malvaceae*) [1] – collected near Verin Karmir Aghbur village of Tavush marz, 1200 m a.s.l., on 2008.07.27. In Armenia it is distributed in the Shirak and Yerevan floristic regions. It is included in the Red Book of plants of the Republic of Armenia [2] as an endangered species. Apart from Armenia it is distributed in the Caucasus (South-Western and Southern Transcaucasia) and Western Armenia. Described from Armenia (nearby Artik).

2. *Chamaenerion angustifolium* (L.) Scop. (*Onagraceae*) [3] – collected from Bayghush canyon northern slope of Murghuz ridge, 1870 m a.s.l., on 2011.08.15. This species is widespread in the Northern Hemisphere (Caucasus, almost the whole Europe, Asia and North America). In Armenia it is distributed in

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the Shirak, Aragats, Lori, Sevan, Gegham, Darelegis, Zangezur floristic regions. The plant is edible and is used as a vegetable. It is a decorative and honey plant. Described from Western Europe.

3. *Crataegus armena* Pojark. (*Rosaceae*) [4] – is collected from Norashen village of Tavush marz, 1220 m a.s.l., on 2011.09.03. In Armenia it is distributed in the Gegham, Yerevan, Darelegis, Zangezur and Meghri floristic regions. Apart from Armenia it is distributed in South Transcaucasia and North Iran. Described from Armenia (nearby Meghri).

4. *Erigeron annuus* L. (*Asteraceae*) [5] – is collected near Aygedzor village of Tavush marz, 800 m a.s.l., on 2009.06.27. In Armenia it is found only in the Yerevan floristic region. It is an alien naturalized species, is described from Canada. Out of the borders of Armenia it grows in Caucasus, East Europe, North-East Anatolia, North America.

5. *Gagea tenuifolia* (Boiss.) Fomin (*Liliaceae*) [6] – is collected near Tavush marz Aygedzor village, 800 m a.s.l., on 2007.03.24. In Armenia it is distributed in the Yerevan and Darelegis floristic regions. Apart from Armenia it is distributed in Caucasus, Cyprus, Anatolia, Syria, Lebanon, Palestine, Jordan, Iraq, Iran, Turkmenistan, Afghanistan, Pakistan, Algeria, Egypt. Described from Iran.

6. *Lamium purpureum* L. (*Lamiaceae*) [7] – is collected near Aygedzor village of Tavush marz, 770 m a.s.l., on 2006.04.15 and near Tsaghkavan village, 720 m a.s.l., on 2009–05–01. In Armenia it is distributed in the Gegham, Darelegis, Zangezur, Meghri floristic regions. Apart from Armenia it is distributed in the Caucasus, Europe, Siberia, Iran, Japan, Canada, the Mediterranean region and South-West Asia. Described from Europe.

7. *Myosotis ucrainica* Czern. (*Boraginaceae*) [8] – is collected near Tavush village of Tavush marz, 845 m a.s.l., on 2006.04.15. In Armenia it is distributed in the Sevan floristic region. Apart from Armenia it is distributed in Ukraine (Middle Dnepr), Western Siberia. Described from Kharkov.

8. *Papaver roseolum* M.V. Agab. & Fragman (*Papaveraceae*) [9] – is collected near Aygedzor village of Tavush marz, 725 m a.s.l., on 2006.05.08. In Armenia it is distributed in the Yerevan and Sevan floristic regions. It is an endemic to Armenia. Described in 2006 from the vicinity of Echmiadzin City. Plant populations were found in recent years in Sevan floristic region.

9. *Pimpinella affinis* Ledeb. (*Apiaceae*) [10] – is collected near Aygedzor village of Tavush marz, 790 m a.s.l., on 2008.06.22, as well as near Berd and Verin Karmir Aghbur villages, 1110 m a.s.l., on 2008.06.22. In Armenia it is distributed in the Zangezur and Meghri floristic regions. Apart from Armenia it is found in Caucasus, Asia Minor, Iran, Central Asia. Described from Transcaucasia.

10. *Roemeria refracta* (Stev.) DC. (*Papaveraceae*) [10] – is collected near Aygedzor village of Tavush marz, 730 m a.s.l., on 2006.05.23. In Armenia it is distributed in Aparan, Yerevan, Darelegis and Meghri floristic regions. It is a decorative and poisonous plant. Apart from Armenia. It is distributed in Caucasus, Central Asia, Iran. Described from Dagestan.

11. *Sedum stoloniferum* Gmel. (*Crassulaceae*) [11] – is collected near Aygedzor village of Tavush marz, 860 m a.s.l., on 2007.05.20. In Armenia it is distributed in the Aparan and Meghri floristic regions. It is included in the Red

Book of plants of the Republic of Armenia as an vulnerable species [12]. Apart from Armenia it is distributed in Great Caucasus, Central and South Transcaucasia, Kolkhida, Talish, North Iran. Described from Transcaucasia.

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