Rastitelnye Resursy. 52(2): 255–271, 2016

THE CRUCIALS SPECIES COMPOSITION IN COMMUNITIES

WITH THE DIFFERENT LEVEL OF DISTURBANCE

IN THE SYR-DARYA VALLEY

© *P. V. Vesselova*[1]

Institute of Botany and Phytointroduction, Almaty, Kazakhstan

[1] E-mail: pol_ves@mail.ru

REFERENCES

1. Kurochkina L. Ya., Osmanova L. T. 1973. Pastbishcha peschanykh pustyn Kazakhstana. Spravochnoye posobiye [Pastures sandy deserts of Kazakhstan. Reference manual]. Alma-Ata. P. 16—22. (In Russian)
2. Baybulov A. B. 2009. Otsenka sovremennogo sostoyaniya rastitelnosti doliny i delty reki Syrdari s ispolzovaniyem GIS tekhnologiy: Avtoreferat dissertatsionnoy raboty na soiskaniye stepeni kandidata biologicheskikh nauk [Assessing the current state of the vegetation of the valley and delta of the Syr Darya River using GIS technologies: The Abstract of the thesis for the degree of candidate of biological sciences]. Almaty. 22 p. (In Russian)
3. Vesselova P. V. 2013. Osobennosti fitotsenoticheskoy priurochennosti vidov sem. Brassicaceae v usloviyakh tekhnogennogo vliyaniya v severo-vostochnom Prikaspii [Phytocoenotic confinedness of Brassicaceae species under technogenic impact in the North-East Pricaspian Basin]. — Rastitelnyye resursy. 49(3): 360—370. (In Russian)
4. Bultekov N. U., Yeserkepova I. B., Kozhakhmet P. Zh., Pechenkina N.V., Severskiy I. V. 2006. Klimat. In: Respublika Kazakhstan. T. 1: Prirodnyye usloviya i resursy [Climate / Republic of Kazakhstan. Vol. 1: Natural conditions and resources]. Almaty. P. 215—235. (In Russian)
5. Volkov A. I. 1983. Klimat. In: Pochvy Kazakhskoy SSR. Vypusk 14: Kzyl-Ordinskaya oblast [Climate. Soils of the Kazakh SSR. Iss. 14: Kyzyl-Orda region]. Alma-Ata. P. 15—23. (In Russian)
6. Akhmedsafin U. M., Burov B.V., Veselov V. V., Makhmutov T. T., Nesterkina N.S.,Smolyar V. A., Sadykov Zh. S. Gidrogeologicheskiye usloviya, resursy podzemnykh vod. In: Respublika Kazakhstan. T. 1: Prirodnyye usloviya i resursy [Hydrogeological conditions, groundwater resources. Republic of Kazakhstan. Vol. 1: Natural conditions and resources]. Almaty, 2006. P. 115—170. (In Russian)
7. Rachkovskaya Ye. I. 2003. Klimat. In: Botanicheskaya geografiya Kazakhstana i Sredney Azii (v predelakh pustynnoy oblasti) [Climate. Botanical geography of Kazakhstan and Central Asia (within the desert region)]. St. Petersburg. P. 13—17. (In Russian)
8. Sokolov A. A. 2006. Pochvy Kazakhstana. In: Respublika Kazakhstan. T. 1: Prirodnyye usloviya i resursy [Soils of Kazakhstan. Republic of Kazakhstan. Vol. 1: Natural conditions and resources]. Almaty, P. 316—361. (In Russian)
9. Botanicheskaya geografiya Kazakhstana i Sredney Azii (v predelakh pustynnoy oblasti) 2003. [Botanical geography of Kazakhstan and Central Asia (within the desert region)]. Ed. by V. N. Khramtsov. St. Petersburg. 424 p. (In Russian)
10. Borovskiy V. M., Pogrebinskiy M. A. 1958. Drevnyaya delta Syrdaryi i Severnyye Kyzylkumy [Ancient delta of the Syr Darya and Northern Kyzylkum]. Vol. 1. Alma-Ata. P. 9—210. (In Russian)
11. Suvorov N. I. 1953. Kistorii rastitelnosti zemel drevnego orosheniya v nizovyakh r. Syrdaryi [On the history of the ancient land of vegetation in the lower reaches of irrigation. Syr Darya]. —

Uchenyye zapiski Alma-Atinskogo pedagogicheskogo Instituta. Alma-Ata. 3(2): 107—114. (In Russian)
12. Plisak R. P., Ogar N. P., Sultanova B. M. 1989. Produktivnost i struktura lugov pustynnoy zony [Productivity and structure of the desert grassland area]. Alma-Ata. 86 p. (In Russian)
13. Novikova N. M. 1997. Dinamika ekosistemy deltovykh ravnin Turana. In: Ekosistema rechnykh poym: struktura, dinamika, resursnyy potentsial, problemy okhrany [Dynamics ecosystem deltaic plains of Turan / River floodplain Ecosystems: structure, dynamics and resource potential protection problems]. Moscow. P. 197—257. (In Russian)
14. Ogar N. P. 2003. Rastitelnost dolin rek. In: Botanicheskaya geografiya Kazakhstana i Sredney Azii (v predelakh pustynnoy zony) [Vegetation of river valleys. In: Botanical geography of Kazakhstan and Central Asia (within the desert zone)]. St. Petersburg. P. 119—141. (In Russian)
15. Ogar N. P. 1999. Rastitelnost dolin rek semiaridnykh i aridnykh regionov kontinentalnoy Azii: Avtoref. dis. ... d-ra biol. Nauk [Vegetation of river valleys of semi-arid and arid regions of continental Asia: The Abstract of the thesis for the degree of Doctor of biological sciences]. Almaty. 38 p. (In Russian)
16. Wucherer W., Breckle S.-W., Dimeyeva L. 2000. Flora of the dry seafloor of the Aral sea. In: Sustainable land-use in deserts. Berlin. P. 38—51.
17. Dimeyeva L. 2005. Plant strategies and revegetation of degraded rangelands in the Aral Sea region. In: Ökologische Forschung im globalen Kontext. Göttingen. P. 141—148.
18. Development of methods to rehabilitate degraded riparian forest ecosystems in the Aral Sea Basin's river plains and deltas: periodical report. 2003. INTAS Aral Sea Project. No. 005-1046. Almaty. 37 p.
19. Besschetnov P. P., Grudzinskaya L. M. 1981. Turangovyye topolya Kazakhstana [Turanga poplar of Kazakhstan.]. Alma-Ata. P. 5—48. (In Russian)
20. Flora Kazakhstana 1961. [Flora of Kazakhstan]. Alma-Ata. Vol. 4. P. 171—339. (In Russian)
21. Opredelitel rasteniy Sredney Azii 1974. [Guide to the plants of Central Asia]. Tashkent. Vol. 4. P. 34—217. (In Russian)
22. Dimeyeva L. A. 2012. Flora i rastitelnost klasternogo uchastka «avandelta Syrdaryi» zapovednika «Barsakelmes» [Flora and vegetation of the cluster area «Syr Darya delta» reserve «Barsakelmes»]. In: Materialy Mezhdunarodnoy nauchno-prakticheskoy konferentsii «Introduktsiya rasteniy, sokhraneniye bioraznoobraziya i zelenoye stroitelstvo v aridnykh regionakh». Aktau. P. 153—157. (In Russian)
23. Obyasnitelnaya zapiska k Karte tipov kormovykh ugodiy i kartogramme ikh ispolzovaniya sovkhoza «Karauzyakskiy» Terenozekskogo r-na Kzyl-Ordinskoy oblasti. 1986. MSKH KazSSR, «Kazgiprozem» [Explanatory note to map types of forage land and cartogram of their use of the farm «Karauzyak» of Terenozekskiy district of Kyzyl-Orda region. 1986. The Ministry of Agriculture of the Kazakh SSR, «Kazgiprozem»]. N 361. (In Russian)
24. Prirodnyye kormovyye ugodiya eksperimentalnogo khozyaystva im. Amangeldy Syrdarjinskogo rayona Kyzylordinskoy oblasti RK (ocherk) [Natural grasslands pilot Economy Amangeldy Syrdarya region of Kyzylorda region of Kazakhstan (essay)]. 1998. Komitet po upravleniyu zemelnymi resursami MSKH RK GosNPTSZem. Almaty. 85 p. (In Russian)
25. Prirodnyye kormovyye ugodiya kollektivnogo khozyaystva «Tartogay» Syrdarinskogo rayona Kyzylordinskoy oblasti RK (ocherk) 1998. [Natural grasslands collective farm «Tartogay» Syrdarya region of Kyzylorda region of Kazakhstan (essay)]. Komitet po upravleniyu zemelnymi resursami MSKH RK GosNPTSZem. Almaty. 67 p. (In Russian)
26. Veselova P. V., Kudabayeva G. M. 2012. Osobennosti slozheniya vidovogo sostava flory aridnykh territoriy v usloviyakh tekhnogennogo vliyaniya (Atyrauskaya oblast. Tengizskoye mestorozhdeniye) [Features adding species composition of arid areas un- der anthropogenic influence (Atyrau region. Tengiz field)]. In: Materialy mezhdunar. nauchno-praktich. konfer.,

posvyashchen. 40-letiyu sozdaniya MEBS «Introduktsiya rasteniy, sokhraneniye bioraznoobraziya i zelenoye stroitelstvo v aridnykh regionakh». Aktau. P. 141—144. (In Russian)
27. Veselova P. V. 2010. Osobennosti edaficheskoy priurochennosti vidov sem. Brassicaceae Burnett Severnogo Turana [Features edaphic confinement species of the family Brassicaceae Burnett Northern Turan]. — Vestnik KazNU. Ser. Ekologicheskaya. 1(27): 9—12.