

References

- [1]. Smetanin V.I. *Rekultivatsiya i obustroystvo narushennykh zemel* [Land reclamation and improvement of disturbed lands]. M.: Kolos, 2000. 96 p. (rus)
- [2]. Chibrik T.S. *Osnovy biologicheskoy rekultivatsii* [Fundamentals of biological reclamation]. *Ucheb. posobiye. Yekaterinburg: Izd-vo Ural. Un-ta*, 2002. 172 p. (rus)
- [3]. Dobrovolskiy G.V. *Pochva, gorod, ekologiya* [Soil, city, ecology]. M.: *Fond Za ekonomicheskuyu gramotnost*, 1997. 310 p. (rus)
- [4]. *Postanovleniye Pravitelstva Sankt-Peterburga ot 5 iyunya 2007 goda N 640 "O Komitete po zemelnym resursam i zemleustroystvu Sankt-Peterburga"* [Resolution of the Government of St. Petersburg on June 5, 2007 N 640 "On the Committee on Land Resources of St. Petersburg"]. (*s izmeneniyami na 25 avgusta 2014 goda*). (rus)
- [5]. *Zakon Sankt-Peterburga ot 16.02.2009 № 29-10 «O Pravidakh zemlepolzovaniya i zastroyki»* [The Law of St. Petersburg from 16.02.2009 № 29-10 «On the Rules of land use and development.】. (rus)
- [6]. *Komitet ekonomicheskogo razvitiya, promyshlennoy politiki i trgovli (KERPPIT)* [The Committee for Economic Development, Industrial Policy and Trade]. [web source]. URL: <http://www.cedipt.spb.ru/> (date of reference: 04.10.2014).
- [7]. *SanPiN 2.1.7.1287-03 (s izmeneniyami ot 25 aprelya 2007 g., Federalnyy zakon «O sanitarno-epidemiologicheskoy blagopoluchii naseleniya» № 52-FZ ot 30.03.99.* [sanitary rules and regulations 2.1.7.1287-03 (as amended on April 25, 2007, the Federal Law "On Sanitary and Epidemiological Welfare» № 52-FZ dated 30.03.99.]. (rus)
- [8]. *Sanitarno-epidemiologicheskiye pravila i normativy SanPiN 2.1.7.1287-03 (s izmeneniyami ot 25 aprelya 2007 g.)* [Sanitary rules and regulations SanPiN 2.1.7.1287-03 (as amended on April 25, 2007)].
- [9]. *Postanovleniye Pravitelstva Sankt-Peterburga ot 15.05.2007 N 493 O vnesenii izmeneniy v postanovleniye Pravitelstva Sankt-Peterburga ot 14 dekabrya 2004 g. N1961 « O razvitiy territoriy, prednaznachennykh dlya razmeshcheniya obyektov proizvodstvennogo, transportno-logisticheskogo, obshchestvenno-delovogo i skladskogo naznacheniya».*
- [10]. *Zakon Sankt-Peterburga ot 22.12.2005 № 728-99 «O Generalnom plane Sankt-Peterburga»* [Resolution of the Government of St. Petersburg from 15.05.2007 N 493 On Amending Resolution of the Government of St. Petersburg on December 14, 2004 N1961 «On the development of areas designated for the placement of industrial, transport social, business and storage purposes "].
- [11]. *Zakon Sankt-Peterburga ot 19.01.2009 № 820-7 «O granitsakh zon okhrany obyektov kulturnogo naslediya na territorii Sankt-Peterburga i rezhimakh ispolzovaniya zemel v granitsakh ukazannykh zon i o vnesenii izmeneniy v Zakon Sankt-Peterburga "O Generalnom plane Sankt-Peterburga i granitsakh zon okhrany obyektov kulturnogo naslediya na territorii Sankt-Peterburga" (s izmeneniyami na 26 iyunya 2014 goda)* [St. Petersburg Law of 19.01.2009 № 820-7 «On the limits of zones of protection of cultural heritage in the territory of St. Petersburg and the modes of use of land within the boundaries of these zones and on Amendments to the Law of St. Petersburg" The Master Plan of St. Petersburg and the boundaries of zones of protection of cultural heritage in the territory of St. Petersburg "].
- [12]. Dobrovolskiy V.V. *Biosfernnyye tsikly tyazhelykh metallov i regulyatornaya rol pochvy* [Biosphere cycles of heavy metals and the regulatory role of the soil]. *Pochvovedeniye*. 1997. № 4. Pp. 431-441. (rus)
- [13]. Dobrovolskiy G.V., Nikitin Ye.D. *Sokhraneniye pochv kak nezamenimogo komponenta biosfery* [Soil conservation as an indispensable component of the biosphere]. M.: Nauka, 2000. 185 p. (rus)
- [14]. Dobrovolskiy G.V. *Znacheniyе pochv v sokhraneniі biologicheskogo raznoobraziya* [The value of soil biodiversity conservation]. *Pochvovedeniye*. 1996. № 6. Pp. 694-699. (rus)
- [15]. Dobrovolskiy G.V., Urusevskaya I.S. *Geografiya pochv* [Soil Geography]. M.: Kolos, 2004. 460 p. (rus)
- [16]. Bolshakov V.A. *Kartografiya i klassifikatsiya degradirovannykh pochv* [Mapping and classification of degraded soils]. *Tekhnogennyye vozdeystviya na pochvu im ikh plodorodiye, metody kontrolya*. M.: *Institut im. V.V. Dokuchayeva*, 1991. Pp. 17-21. (rus)
- [17]. Vodyanitskiy Yu.N., Bolshakov V.V. *Vyyavleniye tekhnogennosti khimicheskikh elementov v pochvakh* [Identification of the technogenic chemical elements in soils]. *Antropogennaya degradatsiya i mery yeye preduprezhdeniya* [Anthropogenic degradation and its prevention measures]. *tez. i doklady vseros. Konf.* M.: T. 2. 1998. Pp. 116-119. (rus)
- [18]. Khitrov N.B. *Podkhod k retrospektivnoy otsenke izmeneniya sostoyaniya pochv vo vremeni* [Approach to retrospective assessment of soil condition changes over time]. *Pochvovedeniye*. 2008. № 8. Pp. 899-913. (rus)

- [19]. Arefyev N.V., Volkova Yu.V. *Obosnovaniye meropriyatiy po rekultivatsii zemel na osnove monitoringa meliorirovannykh territoriy* [Justification of actions for remediation based on the monitoring of reclaimed areas]. *Ekologicheskoye ravnesiye. Antropogennoye vmeshatelstvo v krugovorot vody v biosfere* [Ecological balance. Anthropogenic interference with the water cycle in the biosphere]. Izdatelstvo: LGU im. A. S. Pushkina. 2011. Pp. 26-28. (rus)
- [20]. Arefyev N.V., Volkova Yu.V. *Kompleksnyy podkhod k planirovaniyu rekultivatsii zemli pri khozyaystvennom osvoenii territorii* [An integrated approach to the planning of land reclamation at the economic development of the territory]. *Nauchno-tekhnicheskiye vedomosti SpbGPU, Izdatelstvo Sankt-Peterburgskiy gosudarstvennyy politekhnicheskiy universitet (Sankt-Peterburg)* [Scientific and technical statements STU]. ISSN: 1994-2354. №: 49(1). 2007. Pp. 138-141. (rus)
- [21]. Arefyev N.V., Volkova Yu.V. *Landshaftnoye planirovaniye i rekultivatsiya zemel pri razrabotke territorialnoy politiki razvitiya regiona* [Landscape planning and land reclamation in the development of territorial development policies in the region]. *Rol prirodoobustroystva v obespechenii ustoichivogo funktsionirovaniya i razvitiya ekosistem* [The role of environmental engineering in sustainable development and functioning of ecosystems]. Izdatelstvo: *Moskovskiy gosudarstvennyy universitet, Moskva* 2006. Pp. 247-248. (rus)
- [22]. Arefyev N.V., Volkova Yu.V. *Otsenka masshtabov deflyatsii dlya planirovaniya rekultivatsionnykh meropriyatiy na territoriyakh, podverzhennykh vetrovoy erozii. Prirodoobustroystvo i ratsionalnoye prirodopolzovaniye — neobkhodimyye usloviya sotsialno ekonomicheskogo razvitiya Rossii* [Assessing the extent of deflation for the planning of remediation in areas prone to wind erosion. Environmental Engineering and environmental management - the necessary conditions for social and economic development of Russia]. *Sbornik nauchnykh trudov [Collection of scientific papers]. M.: Ministerstvo selskogo khozyaystva Rossiyskoy Federatsii, Federalnoye gosudarstvennoye obrazovatelnoye uchrezhdeniye vysshego professionalnogo obrazovaniya "Moskovskiy gosudarstvennyy universitet prirodoobustroystva"*, 2005. Pp. 151-154. (rus)
- [23]. *Landshaftno-ekologicheskoye rayonirovaniye i monitoring zemel Leningradskoy oblasti* [Landscape-ecological zoning and land monitoring Leningrad region]. Arefyev N.V., Garmanov V.V., Osipov A.G., Trushnikov V.Ye. // *Izd-vo «Gornaya kniga»*, 2013. №11. Pp. 303-311. (rus)
- [24]. Arefyev N.V., Osipov G.K., Breusov V.P. *Osnovy formirovaniya prirodno-agrarnykh sistem. Teoriya i praktika* [Basis for the formation of natural and agricultural systems. Theory and practice]. SPb: *Izd-vo Politekhnicheskogo universiteta*, 2012. 532p. (rus)
- [25]. Sol'skiy S.V. *Vtorichnoye osvoeniye tekhnogenno-nagruzhenykh territoriy, problemy i resheniya* [Re-development of technologically-laden areas, problems and solutions]. SPb: *Izd-vo OAO «VNIIG im. B.Ye. Vedeneyeva»*, 2011. 323p. (rus)
- [26]. *Monitoring ekologicheskoy obstanovki dlya otsenki effektivnosti inzhenerno-ekologicheskogo obustroystva vtorichno osvaivayemoy tekhnogennoy territorii* [Monitoring of environmental conditions to evaluate the effectiveness of engineering and environmental work for the second mastered technological territory]. Sol'skiy S.V., Samofalov D.P., Ryzhakova M.G. // *Prirodoobustroystvo*. 2011. №1. Pp. 7-11. (rus)
- [27]. Terleyev V.V., Fedorets O.V. *Sovershenstvovaniye sistemy pochvenno-ekologicheskogo monitoringa gorodskikh landshaftov* [Improving the system of soil and environmental monitoring of urban landscapes]. XL *Nedelya nauki SPbGPU. Materialy mezhdunarodnoy nauchno-prakticheskoy konferentsii. 5-10 dekabrya 2011. Chast 1. Inzhenerno-stroitelnyy fakultet. SPb.: Izd-vo SpbGPU*, 2011. Pp. 304-306. (rus)
- [28]. Gorbovskaya A.D., Chabanenko M.A. *Ispolzovaniye otkhodov proizvodstva pri rekultivatsii narushennykh zemel* XL *Nedelya nauki SPbGPU. Materialy mezhdunarodnoy nauchno-prakticheskoy konferentsii. 5-10 dekabrya 2011. Chast 1. Inzhenerno-stroitelnyy fakultet. SPb.: Izd-vo SpbGPU*, 2011. Pp. 5-8. (rus)
- [29]. Volkova Yu.V., Terleyeva A.V. *Osnovnyye polozheniya ekonomicheskoy otsenki meropriyatiy po rekultivatsii narushennykh zemel na territorii Sankt-Peterburga* [The main provisions of the economic evaluation of measures for land reclamation in St. Petersburg]. XL *Nedelya nauki SPbGPU. Materialy mezhdunarodnoy nauchno-prakticheskoy konferentsii. 5-10 dekabrya 2011g. Chast 1. Inzhenerno-stroitelnyy fakultet. SPb.: Izd-vo SpbGPU*, 2011. Pp. 3-7. (rus)
- [30]. Terleyev V.V., Fedorets O.V. *Metodicheskiye podkhody k otsenke zagryaznennosti i normirovaniyu kachestva pochvennogo pokrova pri kompleksnom blagoustroytve gorodskikh territoriy i proizvodstvennykh ploshchadok* [Methodological approaches to assessing pollution norms of quality of soil in the complex improvement of urban areas and industrial sites]. // *NEDELYA NAUKI SPbGPU. Materialy mezhdunarodnoy nauchno-prakticheskoy konferentsii. 6-11 dekabrya 2010 goda. Chast I. Inzhenerno-stroitelnyy fakultet. SPb, izd-vo Politekhnicheskogo universiteta*, 2010. Pp. 299-301. (rus)
- [31]. Gordey D.A., Terleyev V.V. *Ekologo-ekonomicheskaya otsenka tekhnologii vosstanovleniya neftezagryaznennykh pochv Sankt-Peterburga* [Ecological and economic evaluation of technology of restoration of oil-contaminated soil St. Petersburg]. XXXVIII *Nedelya nauki SPbGPU. Materialy mezhdunarodnoy nauchno-prakticheskoy konferentsii. 30 noyabrya –5 dekabrya 2009. Chast I. SPb. Izd-vo Politekh. Universiteta*. 2009. Pp. 356-357. (rus)

- [32]. *Rynok promyshlennykh zemel i obyektov Sankt-Peterburga i Leningradskoy oblasti. 1 polugodiye 2013 god* [The market of industrial land and facilities in St. Petersburg and Leningrad region. 1st half of 2013]. [Elektronnyy resurs]. Sistem. trebovaniya: AdobeAcrobatReader URL: http://www.peterland.info/marketing/market_prom12013_demo.pdf (data obrashcheniya 01.10.2014).
- [33]. Gossmi.ru [web source]. URL: <http://gossmi.ru/> (date of reference 01.10.2014).
- [34]. Krasnoshchekov V.N. *Teoriya i praktika ekologo-ekonomicheskogo obosnovaniya kompleksnykh melioratsii, v sisteme adaptivno-lanshaftnogo zemledeliya* [Theory and practice of ecological and economic assessment of complex land reclamation, the system adaptively lanshaftnogo agriculture]. M.: MGUP, 2001. 293 p. (rus)
- [35]. Marion Potschin, Roy Haines. Young Landscapes, sustainability and the place-based analysis of ecosystem services. Centre for Environmental Management. Landscape Ecology. 2013. № 28. Pp. 1053-1065.
- [36]. Katherine A. Zeller, Kevin McGarigal, Andrew R. Whiteley. Estimating landscape resistance to movement: a review. Springer Link Landscape Ecology. 2012. № 5. Pp. 777-797.
- [37]. Jianguo Wu. Landscape sustainability science: ecosystem services and human well-being in changing landscapes. Landscape Ecology. 2013. № 7. Pp. 999-1023.
- [38]. Samuel A. Cushman, Andrew Shirk, Erin L. Landguth Separating the effects of habitat area, fragmentation and matrix resistance on genetic differentiation in complex landscapes. Landscape Ecology. 2012. № 3. Pp 369-380.
- [39]. Sandra Luque, Santiago Saura, Marie-Josée Fortin. Landscape connectivity analysis for conservation: insights from combining new methods with ecological and genetic data. Landscape Ecology. 2012. № 6. Pp. 153-157.
- [40]. Daniel Hillel Soil in the Environment. Crucible of Terrestrial Life. Academic Press. 2007. 320 p.
- [41]. Donald L Sparks. Advances in Agronomy. Academic Press. 1997. № 5. Pp.19-26.
- [42]. J.-P. Vernet. Environmental Contamination. Elsevier University of Geneva. 2007. № 15 (216). Pp. 54-59.
- [43]. Promyshlennyye zony Sankt-Peterburga [Industrial Zone of St. Petersburg]. [web source]. Sistem. trebovaniya: AdobeAcrobatReader URL: http://gov.spb.ru/static/writable/ckeditor/uploads/2014/02/12/promzoni_SPb.pdf (date of reference 10.10.2014).
- [44]. Elena Romero, M. Carmen Ruiz. Proposal of an agent-based analytical model to convert industrial areas in industrial eco-systems. Science of The Total Environment. 2014. № 468–469. Pp. 394-405.
- [45]. Marianne Boix, Ludovic Montastruc, Catherine Azzaro-Pantel, Serge Domenech. Optimization methods applied to the design of eco-industrial parks: a literature review. Journal of Cleaner Production. 2015. № 15. Pp. 303-317.

Усольцева М.С., Волкова Ю.В. Реновация промышленных зон в Санкт-Петербурге // Строительство уникальных зданий и сооружений. 2015. №2(29). С. 98-111.

Usoltceva M.S., Volkova Yu.V. Land reclamation of industrial areas in St. Petersburg. Construction of Unique Buildings and Structures, 2015, 2(29), Pp. 98-111. (rus)