

## AUTHOR GUIDELINES

### I. General Provisions

The journal *VAVILOVIA*, named after the eminent Russian scientist N.I. Vavilov, is a specialized periodical scientific publication, released concurrently in digital and hardcopy formats. It is focused on publishing *original botanical* articles of both theoretical and practical nature, and *taxonomic* and *genetic overviews*. Its main areas of interest, primarily oriented towards *applied botany*, may encompass *plant systematics* and *phylogeny*, *anatomy* and *morphology*, studies on *geography* and *origin of cultivated plants and their wild relatives*. Besides, a special space on its pages is allotted for publishing results of genetic research, including such areas as *genomics*, *genotype systematics*, *molecular phylogenetics* and *population genetics* of cultivated plants and their relatives. In addition, it is envisaged to publish botanical chronicles in the journal: brief reports on relevant events (collecting missions, conferences, courses, etc.), anniversaries of institutions and scientists, losses suffered by science, etc.

Topics of publications: Taxonomic analyses of vascular plants (cultivated plants and their wild relatives); Morphological and anatomical research on vascular plants (cultivated plants and their wild relatives); Population botany of vascular plants (cultivated plants and their wild relatives); Genetic and cytogenetic approaches to plant phylogeny and systematics; Genotype geography, genotype systematics and molecular phylogenetics of plants; Problems of the species, speciation, and taxonomy of cultivated and other resource plants; Floristic surveys and conservation of the diversity of cultivated plants and their wild relatives; History of the cultivated flora (archeobotanical, paleobotanical, palynological, historical, and ethnobotanical investigations).

The journal is a quarterly. The languages of the publications are Russian and English. Publications in the journal are free of charge. Color illustrations to articles are welcome. Any article may be supplemented with additional materials in the electronic format.

Authors reserve their rights and vest the journal with the authority to make the first publication of their manuscript subject to the terms of Creative Commons Attribution License.

The complete text of a manuscript and illustrations are submitted via the electronic editorial system at <<https://vavilovia.elpub.ru>>, or by e-mail to <[vavilovia@vir.nw.ru](mailto:vavilovia@vir.nw.ru)>.

Manuscripts are to be sent along with the information about the author(s): family name, first name and patronymic, place and address of employment, position, contact telephone number, e-mail address, ORCID ID, and Author ID. A contact person should also be identified for the editors to communicate and correspond with. By submitting the manuscript to *VAVILOVIA* journal, the author(s) automatically acknowledge the fact that the manuscript is not under consideration or preprinted in any other journal or elsewhere. All the incoming manuscripts are checked by the Editorial Board through the Anti-Plagiarism System. Plagiarism is considered to be the use of images, drawings, photographs, tables, graphs, diagrams and any other forms of graphic presentation of information published in scientific and popular publications without the consent of the copyright holder.

Acceptable for publication in *VAVILOVIA* are peer-reviewed articles. Decision on publication is taken by the Editorial Board of the journal on the basis of peer reviews made by two experts. A manuscript that received negative reviews from two independent reviewers will be rejected by the Editorial Board's decision. In the case of two conflicting reviews (negative vs. positive), the editors will engage a third reviewer. If a manuscript needs amending, it is returned to the author(s) together with the reviewer(s) remarks. Amendments made by the author(s) in the manuscript need to be

incorporated into the electronic version of the text received from the editors and returned to the editors within the prescribed period of time. The amended article is once again considered by the Editorial Board, who will decide on the possibility of its publication.

The editors request the authors to follow the guidelines set below while preparing and sending manuscripts to the journal. The manuscripts that do not conform to these guidelines will not be considered by the Editorial Board. All submitted materials will not be returned. The author(s) will be informed by e-mail on the decision taken.

## **II. Manuscript Size**

The size of a review, problem-oriented or analytical article should not exceed 20 pages of computer text that meets the below-listed parameters, while descriptions of experiments should be limited to no more than 15 pages of computer text. This volume includes: an abstract (in both Russian and English), key words (in both Russian and English), the main text (in English or Russian), a list of references, tables and/or illustrations, and their captions (in Russian and English). ). Articles exceeding these volumes may be accepted by the Editorial Board's decision. The text should be typeset using the Microsoft®Word text processor, in Times New Roman, 12pt, without hyphenation, fully justified, and single spaced. All margins are 2 cm wide. Paper size is A4.

## **III. Requirements to the Manuscript Structure**

Author(s) first name, patronymic, family name. The author(s) photographs should be sent along with the manuscript.

Title of the article.

Full official name(s) and address(es) (house, street, city or town, zip code, country) of the institution(s) where the author(s) is(are) employed. E-mail address. Arabic numerals should be used to match an author's name with his/her employer.

*Abstract (Peфeпaм)*, both in English and Russian, no less than 0.5 pages long (250–350 words). The abstract in one language may not be an exact translation from the other language and may differ in size.

*Key words (Ключевые слова)* (no less than four), both in English and Russian, should not repeat the words used in the article's title.

Transparency of financial interests: the author has no financial interest in the materials or methods presented.

Absence of any conflict of interests.

Text of the article.

Acknowledgements (project number(s), etc.);

*References (Литература)* in English and Russian.

When original experimental data are presented, it is advisable to use the following subtitles:  
Introduction

Materials and methods

Results

Discussion

Conclusions, or Findings.

Theoretical, review and problem-oriented articles may have optional structure but must contain an abstract, key words, and a list of references.

### **Format requirements for the title**

The title of an article (in English and Russian) should be as concise as possible and clearly reflect the contents. For the title, uppercase characters are used (font: boldface, 14pt, including Latin names; alignment: centered).

*Information about the author(s).* Initials and family name(s) of the author(s) should be typed in lowercase characters (font: boldface, 12pt; alignment: centered). Non-breaking space should be made between the initials and family name(s) of the author(s) by pressing the <Ctrl+Shift+Space> combination to preclude their separation into two lines.

*Author(s) data* include the full official name(s) of the organization/scientific institution in English. At the same time, only such fragment of the organization's name which refers to the notion of a legal entity should be mentioned, that is, without the name(s) of a department, laboratory or any other structural subdivision within the organization. If the authors are employed by different institution(s), each co-author's family name is followed by a superscript Arabic numeral corresponding to the employer data presented below and preceded by the matching superscript numeral. The names of organization(s)/institution(s) should be followed by the full legal address, including zip code, city and country. In the end of the address, the authors(s) e-mail should be provided (lowercase characters; font: regular, 12pt).

The corresponding author (and his/her e-mail address) are marked by an asterisk (\*).

SAMPLE

**G. V. Talovina <sup>1\*</sup>, E. V. Aistova <sup>2</sup>**

**CROP WILD RELATIVES IN MAGADAN PROVINCE OF RUSSIA: INVENTORYING AND CONSERVATION**

**ДИКИЕ РОДИЧИ КУЛЬТУРНЫХ РАСТЕНИЙ МАГАДАНСКОЙ ОБЛАСТИ:  
ИНВЕНТАРИЗАЦИЯ И СОХРАНЕНИЕ**

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To be followed by Abstract and Key words.

### *Format Requirements for the abstract*

The abstract should be detailed enough. The main results, conclusions, methods and objectives should be presented in it in a clear and explicit manner. Phraseology like "...the issues considered in the article are..." or "...the problem discussed is..." is not recommended.

Articles presenting experimental data require clear representation of the sections Background, Results, Conclusion and, if needed, Objectives and Materials and methods sections prior to the Results.

For reviews, division of the text into separate sections is not required.

### *Format requirements for the text*

The Introduction needs to present an explicit definition of the scope of issues considered in the publication, brief description of the essence of the problem studied, and justification of its relevance. The Introduction is concluded by the statement of research objective(s).

The Materials and methods section should contain the list and characteristics of the materials used, as well as consecutive enumeration of all the methods employed. For the commonly used methods, it is enough to provide references to the data sources; for less popular methods, it is desirable to provide a description of their essence, or specifics of the used modifications. New, rare and unique methods should be described comprehensively enough to enable other research teams reproduce them. If the research employed any instruments, the choice of which could influence the results of the work, or any new and unique devices, the manuscript should contain their brand names and, in parentheses, the name(s) of their producer(s) and the country of origin.

The Results section contains the obtained data, logically sequenced and presented in detail. In the articles presenting experimental results, their validity should be confirmed using statistical methods. The article should contain information about the size of the studied sample, the criteria used and the level of significance of the obtained results. It is important to choose the easiest and most understandable manner of their presentation to the reader (text, graphics or tables).

The Discussion section should offer an interpretation of the obtained results, a comparison made with the results of other authors, and the prospects for using the results or further developing the work are discussed in the final part.

The names of the sections are to be typed in lowercase characters in a separate line, centered, and separated from the previous and following paragraphs by one blank line (font: boldface, 12pt).

The abbreviations used in the text should be expanded once, at their first appearance; for example: crop wild relatives (CWR). Conventional abbreviations are given as they are, without expansion; for example: DNA, PCR, CFU, etc.

The rules contained in the valid version of the International Code of Nomenclature for algae, fungi, and plants (ICN) shall be used while making taxonomic surveys or describing new taxa. Latin plant names should comply with the latest sources (it does not relate to the understanding of taxa boundaries). The names of the taxa higher than the genus are presented in upright roman type (Fabaceae), while the names of the genus and lower taxa are italicized, and the names of the authors and the words determining the rank of a taxon are in upright roman type. When a generic name is mentioned in the text for the first time, it is not abbreviated, and the author(s) of combinations are

mentioned: *Triticum durum* Desf., *T. aestivum* L. subsp. *hadropyrum* (Flaksb.) Tzvelev var. *schrederi* Udacz. Later such generic name is abbreviated to the uppercase (first) letter, while the specific name remains unabbreviated, and the author(s) of combinations are not mentioned: *T. durum*, *T. aestivum* subsp. *hadropyrum* var. *schrederi*. It should be kept in mind that the names of any taxa, when they appear in the abstract, titles of the tables or captions of the figures, must include the authors.

Gene names and symbols are italicized, while the names of their products are presented in upright roman type, for example: genes *Vrn1*, *af*, *det*, *sym*, etc.; proteins hsp 70, ATM, etc. Phage and virus names should appear in upright roman type.

Molecular size (length) of DNA fragments (nucleotide pairs) should be designated without dots, starting with a lowercase letter (np).

To indicate multiplication and hybridization, the symbol  $\times$  is used.

Minus (-) is used for a hyphen, while the <Ctrl + Shift + “-”> combination is used for a dash (–).

All values should be expressed in the units of measurement approved by the Russian National Standards (GOST) or the International System of Units (SI). Decimal fractions are separated with a dot, not a comma (unlike in the Russian version).

To indicate the temperature, the symbol “degree” (°) is used, not the “o” letter.

In addition to the fundamental works, References should contain publications over the past 5 years, fully reflecting the state of the art of research.

Self-citation above 25% is not permissible.

Abstracts, conference proceedings, dissertations without deposit shall not be cited. Links to dissertations, conference proceedings, patents and legal documents can be provided only if they are available in the public domain on the Internet.

When citations are included in the text, the author, year and page are to be indicated: (Author, 2014. P. 67). When a table or a figure is cited, it should be marked: (from A.A. Author, year).

Inline bibliographic references are given in parentheses in English. In this case, the author's surname without initials is indicated, and the year of publication is separated by a comma, for example: (Geltman, 2019). When the publication has two authors, then both surnames are indicated, for example: (Bagmet, Taisumov, 2018). If there are three or more authors, then only the first author's surname is indicated, followed by “et al.”, for example: (Rodionov et al., 2018). When several publications are cited, the references are arranged in chronological order, for example: "In a number of works (Rodionov, 2013; Shneyer, Rodionov, 2018; Mateikovich et al., 2020)". When several works of the same author (or the same group of authors) published in the same year are cited, Latin lowercase letters in alphabetical order are added to the year of publication. For example: (Gavrilenko et al., 2017b; Chukhina, 2019a, 2019d; Shipilina et al., 2015a, 2015b). The order of the letters is determined by the position of the cited article in the References section.

### ***Format requirements for the references***

The References/Литература section should contain a bibliographic description of all those works, references to which appear in the text of the article. The list of references should be formatted in accordance with the standards accepted by the journal (see below).

In the list of references, the names of the first authors are arranged in the order of the Latin alphabet.

The bibliographic description of each source should mention all authors. It is unacceptable to abbreviate the titles of articles and titles of domestic and foreign journals.

If a cited source has a digital object identifier (DOI), it should appear in the end of the source description.

When the cited article is written in Latin letters (in English, German, Finnish, Danish, Italian, etc.), it should be cited in its original form, and the language of publication should be given in English in square brackets at the end of the description, for example, [in Italian]. For languages that are not based on the Latin alphabet (Greek, Chinese, Arabic, etc.), only the English version of the reference is provided, indicating the language of the original article in square brackets, for example, [in Japanese]. For instance:

Kasai R. Studies on the constituents of cucurbitaceous plants. *Yakugaku zasshi: Journal of the Pharmaceutical Society of Japan*. 2008;128(10):1369-1382. [in Japanese]. DOI: 10.1248/yakushi.128.1369

Sun Y.-B., Ma L.-Y., Qin H.-N. A brief history of botanical scientific illustration in China. *Journal of systematics and evolution*. 2008;46(5):772-784. [in Chinese]. DOI: 10.3724/SP.J.1002.2008.07126

When the cited article has an official English translation of the title and is not written in Latin letters (in Cyrillic, including Russian, etc.), then the original reference is given in parentheses after the English version of the reference to the source. One can check the availability of an official translation of the title of the article at <eLibrary.ru>. For instance:

Chukhina I.G., Krylova E.A., Ovchinnikova A.B., Gavrilenko T.A. Herbarium specimens of wild Chilean potato species belonging to the section *Petota* Dumort. Genus *Solanum* L. in the VIR herbarium. *Proceedings on applied botany, genetics and breeding*. 2016;177(1):110-121. [in Russian] (Чухина И.Г., Крылова Е.А., Овчинникова А.Б., Гавриленко Т.А. Гербарные образцы диких чилийских видов картофеля секции *Petota* Dumort. рода *Solanum* L. в гербарии ВИР. *Труды по прикладной ботанике, генетике и селекции*. 2016;177(1):110-121). DOI: 10.30901/2227-8834-2016-1-110-121

For the cited articles whose titles do not have an official translation into English, an English translation of the article title should be provided, followed (in parentheses) by the transliterated title of the article, transliterated journal title = translated journal title, and publication details in due order – year, volume (issue, etc.), page (pages separated by a hyphen). A reference to the publication's original language should be given in brackets, for example, [in Russian], and the complete cited source reference in the original language is given in parentheses. For instance:

Pobedimova E.G. The composition of the flora of Kaliningrad Province and its distribution and economic significance (Sostav flory Kaliningradskoy oblasti i yeye rasprostraneniye i khozyaystvennoye znacheniye). *Trudy Botanicheskogo instituta AN SSSR = Proceedings of the Botanical Institute of the USSR Academy of Sciences*. 1955;3(10):225-329. [in Russian] (Победимова Е.Г. Состав флоры Калининградской области и ее распространение и

хозяйственное значение. *Труды Ботанического института АН СССР*. 1955;3(10):225-329).

More examples of the references format in the list of references can be found in the appendix.

### ***Format Requirements for tables and figures***

Tables should be placed within the main text of an article.

Tables are formatted using Microsoft®Word text processor instruments in the Tables section. The table caption (Table 3. Title of the table) should use font size 12pt, alignment: centered. The title is separated from the table by a blank line. If a figure or a table is cited from another source, its author(s) should be referred to: (from M.M. Yakubziner, 1932). If more than one table is used, they should have consecutive numbers. Each table and every field inside should have titles. Abbreviations (except conventional ones) are not permitted in tables. The contents of the tables should not duplicate the text. Tables should not contain columns or rows with the same values in all cells. If no data are available, a dash is used.

All titles of columns and rows should appear in both Russian and English. Recommended font size for tables is 12pt, and no less than 10pt in case of high density of the text. All abbreviations and acronyms should be explained in the footnotes to the table. Vertical and horizontal separation lines are mandatory, except for the left and right boundaries. If a table does not fit within one page, its heading should be reproduced in each page of the table.

Reference to a table in the text should be: Table<sup>o</sup>4 or (Table 4). If the same table is mentioned more than once, (see Table 4) is used. If the article contains only one table, the same rule is applied but without any number: Table or (Table).

Таблица 4. Название таблицы  
Table 4. Table title

Figures (including charts, graphs and diagrams) should be incorporated into the main text, and additionally represented by files (.jpeg, .tiff; .xls, .xlsx) attached to the publication. All figures should be numbered: “Fig.<sup>o</sup>2.” followed by a full stop. The text of the caption: font size: 14pt, alignment: centered. A figure is referred to in the text as Fig.<sup>o</sup>2.; a fragment of a figure as Fig.<sup>o</sup>2a. If only one figure is used, no number is required, and the word “Figure” is not abbreviated. Illustrations may be multicolored (for an online version), but should have copies – with shades of grey, black-and-white, or monochrome (for a hardcopy version). The text of captions should be presented in both Russian and English.

Рис. 2. Название рисунка  
Fig. 2. Figure caption

Scanned pictures should have resolution no less than 300 dpi or, if the picture is tiny, 600 dpi, and have the .jpeg or .tiff format. Font size in captions is 12pt.

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Authors who publish their articles in this journal give their consent to the following:

Authors reserve their rights and vest the journal with the authority to make the first publication of their manuscripts, which would automatically be licensed upon the expiry of 6 months after publication subject to the terms of Creative Commons Attribution License; the latter will allow

anyone to disseminate the article in question, with mandatory preservation of references to the authors of the original article and to its first publication in this journal.

Authors may display their articles on the Internet (for example, in the Institute's data warehouse or on a personal website) prior to or during the process of their consideration by this journal, as it may lead to a more productive discussion and expand the number of references to the article in question (see The Effect of Open Access).

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Names and e-mail addresses uploaded at the website of this journal will be used solely for the purposes declared by the journal; they will not be exploited for any other purposes, nor made available to other individuals or organizations.

## APPENDIX

### EXAMPLES OF CORRECT FORMATTING IN THE LISTS OF REFERENCES

#### Journal articles

##### 1. Reference to an English source:

- Begcy K., Nosenko T., Zhou L.-Z., Fragner L., Weckwerth W., Dresselhaus T. Male Sterility in Maize after Transient Heat Stress during the Tetrad Stage of Pollen Development. *Plant Physiology*. 2019;181(2):683-700. DOI: 10.1104/pp.19.00707
- Tribhuvan K.U., Mithra S.V.A., Sharma P., Das A., Kumar K., Tyagi A., Solanke A.U., Sandhya, Sharma R., Jadhav P.V., Raveendran M., Fakrudin B., Sharma T.R., Singh N.K., Gaikwad K. Identification of genomic SSRs in cluster bean (*Cyamopsis tetragonoloba*) and demonstration of their utility in genetic diversity analysis. *Industrial Crops and Products*. 2019;133:221-231. DOI: 10.1016/j.indcrop.2019.03.028
- Zijlstra G. Erik A. Mennega (1923-1998). *Taxon*. 1998;47(4):974-975.

##### 2. Reference to a Russian source with an officially published translation of its title:

- Tekhanovich G.A., Elatskova A.G., Elatskov Y.A. Investigations by N.I. Vavilov and his influence on the promotion of introduction, collection study and breeding of cucurbitaceous crops. *Vavilovia*. 2019;2(2):44-57. [in Russian] (Теханович Г.А., Елацкова А.Г., Елацков Ю.А. Исследования Н.И. Вавилова и его влияние на развитие интродукции, изучение коллекции и селекции бахчевых культур. *Vavilovia*. 2019;2(2):44-57. DOI: 10.30901/2658-3860-2019-2-44-57

##### 3. Reference to a Russian source without a published translation of its title:

- Golovachev I.V., Chuikov Yu.S. Geology, geomorphology and landscape. The natural complex of the BogdoBaskunchak State Nature Reserve, and its protection (Geologiya, geomorfologiya i landshaft. Prirodnyi kompleks Bogdinsko-Baskunchakskogo gosudarstvennogo prirodnogo zapovednika i yego okhrana). *Trudy gosudarstvennogo prirodnogo zapovednika Bogdinsko-Baskunchakskiy = Proceedings of the Bogd-Baskunchak State Nature Reserve*. 1998;1:48-62. [in Russian] (Головачев В.И., Чуйков Ю.С. Геология, геоморфология и ландшафт. Природный комплекс Богдинско-Баскунчакского государственного природного заповедника и его охрана. *Труды государственного природного заповедника Богдинско-Баскунчакский*. 1998;1:648-62).

##### 4. The authors of an article are both individuals and corporate entities:

- Angiosperm Phylogeny Group; Chase M.W., Christenhusz M.J.M., Fay M.F., Byng J.W., Judd W.S., Soltis D.E., Mabberley D.J., Sennikov A.N., Soltis P.S., Stevens P.F. An update of the



Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. *Botanical Journal of the Linnean Society*. 2016;181(1):1-20. DOI: 10.1111/boj.12385

- Wang G.S., Pan X.J., Zhu J.Y., Gleisner R., Rockwood D.; USDA FS. Sulfite pretreatment to overcome recalcitrance of lignocellulose (SPORL) for robust enzymatic saccharification of hardwoods. *Biotechnology progress*. 2009;25(4):1086-1093. DOI: 10.1002/btpr.206

**5. The article has no individual authors:**

- Announcement of the competition for the Komarov Award 2020. *Botanicheskii Zhurnal*. = *Botanical journal*. 2019;104(11-12):1827. [in Russian] (О конкурсе на соискание премии имени В.Л. Комарова в 2020 году. *Ботанический журнал*. 2019;104(11-12):1827). DOI: 10.1134/S0006813619110085

**6. The article published in a supplement to the journal's volume (issue):**

- Solomon-Blackburn R.M., Barker H. A review of host major-gene resistance to potato viruses X, Y, A and V in potato: genes, genetics and mapped locations. *Heredity*. 2001;86(Pt 1):8-16. DOI: 10.1046/j.1365-2540.2001.00798.x
- Trewavas A. Plant Cell Signal Transduction: The Emerging Phenotype. *Plant Cell*. 2002; 14 (suppl S):S3-S4. DOI: 10.1105/tpc.141360

Sample reference of article in a supplement to the journal *Bulletin of Applied Botany, Genetics and Plant Breeding*:

- Bukin V.N., Povolotzkaya K.L., Onokhova N.P. Presence of the antiscorbutic vitamin in northern varieties of fruits, berries and vegetables. *Bulletin of Applied Botany, Genetics and Plant Breeding*. 1934; Suppl 67:25-51. [in Russian] (Букин В.Н., Поволоцкая К.Л., Онохова Н.Р. Содержание антицинготного витамина в сортах плодов, ягод, овощей Севера. *Труды по прикладной ботанике, генетике и селекции*. 1934; Приложение 67:25-51).

**7. The journal's volume or issue divided into parts:**

- Wang C.P., Ma C.X., Jia W.L., Wang D., Sun H.W., Xing B.S. Combined effects of dissolved humic acids and tourmaline on the accumulation of 2, 2', 4, 4', 5, 5'- hexabrominated diphenyl ether (BDE-153) in *Lactuca sativa*. *Environmental Pollution*. 2017;231(Pt 1):68-77. DOI: 10.1016/j.envpol.2017.07.094

**8. A journal published only in volumes (with no issues) or issues (without volumes):**

- Ciappetta S., Ghiani A., Gilardelli F., Bonini M., Citterio S., Gentili R. Invasion of *Ambrosia artemisiifolia* in Italy: Assessment via analysis of genetic variability and herbarium data. *Flora*. 2016;223:106-113. DOI: 10.1016/j.flora.2016.05.002

**Books and monographs**

**9. A book has one or more authors (the total number of pages in the reference to a book or monograph is not indicated):**

- Vickery R. *Vickery's folk flora: an A-Z of the folklore and uses of British and Irish plants*. London: W&N Weidenfeld & Nicolson; 2019.

**10. A book has one or more editors:**

- Evenson R.E., Gollin D. (eds). *Crop Variety Improvement and Its Effect on Productivity: The Impact of International Agricultural Research*. Wallingford, UK: CABI Publ.; 2003.

**11. The reference to a book includes both authors and editors:**

- Kobylansky V.D., Korzun A.E., Katerova A.G., Lapikov N.S., Solodukhina O.V. *Flora of cultivated plants*. Vol. 2 (Pt 1). Rye. V.D. Kobylansky (ed.). Leningrad; 1989. [in Russian] (Кобылянский В.Д., Корзун А.Е., Катерова А.Г., Лапиков Н.С., Солодухина О.В. *Культурная флора СССР*. Т. 2, ч. 1. Рожь / под ред. В.Д. Кобылянского. Ленинград; 1989).

## **12. The author of a book is a corporate entity:**

- EASAC (European Academies' Science Advisory Council). Genome editing: scientific opportunities, public interests and policy options in the European Union. Rep. 31. Halle (Saale), Germany; 2017. Available from: [https://easac.eu/fileadmin/PDF\\_s/reports\\_statements/Genome\\_Editing/EASAC\\_Report\\_31\\_on\\_Genome\\_Editing.pdf](https://easac.eu/fileadmin/PDF_s/reports_statements/Genome_Editing/EASAC_Report_31_on_Genome_Editing.pdf) [accessed January 12, 2020].

## **13. Chapter in a book:**

- Brugnoli E., Farquhar G.D. Photosynthetic fractionation of carbon isotopes. In: Leegood RC, Sharkey TD, von Caemmerer S (eds). *Photosynthesis: Physiology and Metabolism*. Dordrecht, Neth.: Springer; 2000. p. 399-434.
- Solberg S.O., Diederichsen A., Loskutov I.G. Why conserve the diversity of cultivated plants: the impact from Vavilov. In: Y. Flemming, Ø.S. Svein (eds). *40 Years of Nordic Collaboration in Plant Genetic Resources*. Rosendahls, Denmark: Nordic Genetic Resource Center (NordGen); 2019. p. 12-23.

## **14. Conference proceedings:**

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