

Instructions for authors contributing to IAPT Chromosome Data (formerly IAPT/IOPB Chromosome Data)¹

Beginning with TAXON vol. 73 (2024), manuscripts for the IAPT Chromosome Data column should be prepared in a single version (not as separate print and online versions) with full information on chromosome numbers and details on localities and voucher specimens, according to the following example:

Habranthus cardenasianus Traub & I.S.Nelson
 $2n = 24$, CHN. Argentina, Province of Salta, Campo Quijano Department, Rosario de Lerma, 24°54'S 65°38'W, 10 Oct 2013, *Daviña, Honfi & Martínez 666* (MNES 123456).

CHN means directly counted chromosome numbers. Alternatively, FCM, i.e., data based on DNA content estimated by flow cytometry can be published. In this case, details of the methods should be provided, and the quality of the cytometric estimation should follow Doležel & al., 2007: Estimation of nuclear DNA content in plants using flow cytometry. *Nature Protocols* 2/9: 2233–2244. PI FCM (propidium iodide) or DAPI FCM (4,6-diamidino-2-phenylindole) can be used. For example:

Fallopia dumetorum (L.) Holub
 The CVs of sample and internal standard were 3.81% and 3.18%, respectively.
 $2n \sim 2x \sim 20$, $2C = 1.521$ pg, PI FCM. Slovak Republic, Bratislava Region, Bratislava-Staré Mesto borough, 48°08'43"N, 17°05'38"E, 226 m, 27 Jun 2019, *P. Mered'a, Jr. 127-1* (SAV 123456).

- Contributions that do not comply with the rules given here will be returned to the authors.
- Records without voucher specimens cannot be published.
- Records without known wild origin of analyzed plants cannot be published.

ORCID links should be provided for all authors.

All information should be in alphabetical order: families within contributions, genera within families, countries (if records from more than one country are given for a particular species), herbarium codes (if vouchers for a given record are housed in more than one herbarium).

Genera assigned to families according to the last version of APG (<http://www.mobot.org/MOBOT/research/APweb/welcome.html>).

Authors of scientific names must be abbreviated according to IPNI (<http://www.ipni.org>).

Format of chromosome numbers: $2n = 16$, $x = 8$ [n and x must be in italic, blank space before and after =].

Geographical coordinates: The following formats are accepted: 12°13'14" or 12°13'14.15" or 12°13.1415' or 12.131415°, always followed by N or E or S or W. Note that values for minutes or seconds of 60 or above are not possible. Number of decimal places may vary. Always use the degree symbol (°), do not use superscript letter "o" or the like. The correct symbols for minutes and seconds are prime and double prime. If these are not available, use English-language single and double closing quotes (' / '').

Illustrations: The data may be accompanied by figures depicting chromosomes (or in some cases plants), provided they are of exceptional quality.

Figures correspond to the instructions of authors of TAXON (<https://www.iaptglobal.org/taxon-guidelines> or https://docs.wixstatic.com/ugd/12c57a_44f50edfe1cc4e579dc9aacdba600564.pdf), and the final version should be included when the paper is submitted to the IAPT Chromosome Data column.

Other accompanying information (maximum two pages per contribution, plus related literature cited and further figures) will be published as supplementary material.

Literature cited should include all and only those references that are referred to in the text.

References should follow the correct format given in the instructions for authors publishing in TAXON (<https://www.iaptglobal.org/taxon-guidelines>).

Citation of former IOPB Chromosome Number Reports, IAPT/IOPB Chromosome Data or current IAPT Chromosome Data in Literature cited should be as follows:

- Vaarama, A. & Leikas, R.** 1970. [Reports]. In: Löve, Á. (ed.), IOPB chromosome number reports XXVI. *Taxon* 19: 269.
- Baltisberger, M. & Voelger, M.** 2006. *Sternbergia sicula*. In: Marhold, K. (ed.), IAPT/IOPB chromosome data 1. *Taxon* 55: 444, E2.
- Korobkov, A.A., Kotseruba, V.V. & Krivenko, D.A.** 2019. IAPT chromosome data 30/4. In: Marhold, K. & Kučera, J. (eds.) & al., IAPT chromosome data 30. *Taxon* 68: 882, E1–E2.

Abbreviations of journals in Literature cited should be standardized according to BPH (<https://huntbot.org/bph/>).

¹ A more detailed introduction to this column was published in its first installment (http://www.iapt-taxon.org/files/iopb/IAPT_IOPB_Chrom_data1.pdf)

Titles of the books published in a language with a non-Latin alphabet (Cyrillic, Chinese, etc.) must be transliterated and not translated (alternative English title should be provided only when it appears in the original publication). At the end of the entry, add “[in Russian]” or “[in Chinese with English abstract]”, for example.

Acknowledgements should be complete and, as a rule, should not be changed after submission of the paper. Exceptions must be agreed by the column editor.