

NOMENCLATURE COMMUNICATIONS

XX International Botanical Congress, Madrid 2024: Report of Congress action on nomenclature proposals

Nicholas J. Turland (Rapporteur-général),¹ Inés Álvarez (Recorder),² Sandra Knapp (President of the Nomenclature Section),³ Anna M. Monro (Recorder)⁴ & John H. Wiersema (Vice-rapporteur)⁵

¹ Botanischer Garten und Botanisches Museum Berlin, Freie Universität Berlin, Königin-Luise-Straße 6–8, 14195 Berlin, Germany

² Department of Biodiversity and Conservation, Real Jardín Botánico (RJB), CSIC, C/ Claudio Moyano 1, 28014 Madrid, Spain

³ Natural History Museum, Cromwell Road, London SW7 5BD, United Kingdom

⁴ Australian National Herbarium, Centre for Australian National Biodiversity Research, GPO Box 1700, Canberra ACT 2601, Australia

⁵ Department of Botany, NMNH - MRC 166, Smithsonian Institution, P.O. Box 37012, Washington, D.C., 20013-7012, U.S.A.

Address for correspondence: Nicholas J. Turland, n.turland@bo.berlin

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INTRODUCTION

The *International Code of Nomenclature for algae, fungi, and plants* or *Shenzhen Code* (“Code”; Turland & al. in Regnum Veg. 159. 2018, <https://doi.org/10.12705/Code.2018>; Wiersema & al., Int. Code Nomencl. App. I–VII. 2018+ [continuously updated], <https://naturalhistory2.si.edu/botany/codes-proposals/>) has been amended by the XX International Botanical Congress (“Congress” or “Madrid Congress”), which was held in Madrid, Spain, from 15 to 27 July 2024. The Nomenclature Section (“Section”) of the Congress took place over five days from 15 to 19 July, followed by the main part of the Congress from 21 to 27 July. The amended rules became effective immediately upon acceptance of the resolution, moved on behalf of the Section at the closing plenary session of the Congress on 27 July 2024, that the decisions and appointments of the Nomenclature Section be approved (see under Resolution, below). This report summarizes those decisions and appointments. The full, day-to-day proceedings of the Section will be published separately (planned for 2026). Publication of the new *Madrid Code* is expected in mid-2025.

The results of the preliminary guiding vote (mail vote) were provided to members of the Section as an unpublished final draft, followed on 4 July 2024 by an “early view” article in *Taxon* (Turland & al. in *Taxon* 73: 1096–1109. 2024, <https://doi.org/10.1002/tax.13233>).

Registration for the Nomenclature Section of the Congress began at a welcoming reception in the Real Jardín Botánico (CSIC) from 17:00 to 20:00 on Sunday, 14 July 2024 and continued at the venue of the Section at 08:00 on Monday, 15 July. The sessions of the Section took place in the conference hall of the central campus main building of the Consejo Superior de Investigaciones Científicas (CSIC) at Calle de Serrano 117, Madrid 28006, Spain, from Monday, 15 July to Friday, 19 July 2024, inclusive. The sessions began at 08:30 and finished at 19:00 each day (with 30-minute breaks in the morning and afternoon and a 90-minute break for lunch), except on Friday, when the afternoon session began at 14:00 and finished at 14:50 (after a 60-minute lunch break). Table 1 provides comparative statistics for the 14 Congresses from Stockholm in 1950 to Madrid in 2024. In Madrid, 173 registered members

attended in person from 36 countries, each member carrying 1 personal vote and 86 of them carrying 433 institutional votes from 192 institutions in 44 countries, making a total of 606 possible votes representing 48 countries (Table 2). Compared with Shenzhen in 2017, there were 11.6% more members and 15.7% more institutions represented, although the total number of institutional votes was only 1.4% more (Table 1). Statistics for broader geographical regions are provided in Table 3.

Members of the Section were invited to take part in an anonymous survey to determine the balance of gender and taxonomic expertise. Printed questionnaires were distributed to all 173 members, of which 87 were completed and returned, representing a 50.3% response. Among the responding members, gender was 57.5% male, 36.8% female, and 5.7% using a different term or preferring not to answer. Taxonomic expertise was 78.2% in vascular plants, with no more than 8% of responding members declaring expertise in any one of algae, fungi, bryophytes, fossils, or “other” (Table 4).

The entire Madrid Nomenclature Section was livestreamed on the internet. Over the five days of the Section, a total of 219 unique users accessed the livestream at least once. The shortest total access time by any unique user was 2 minutes, the longest was 2564 minutes (42 hours and 44 minutes, i.e. comprising the whole duration of the Section), and the average was 313 minutes (5 hours and 13 minutes). Table 5 shows user numbers and access times across the whole Section, five days, and ten sessions.

The Section was opened by Gonzalo Nieto Feliner, President of the Organizing Committee of the XX IBC and Researcher at the Real Jardín Botánico (CSIC). Nieto Feliner introduced Dr. José María Martell, Vice-president for Scientific and Technical Research of the CSIC, who delivered a welcoming speech for the Section. Nieto Feliner also gave a welcoming speech and then introduced Sandra Knapp, President of the Nomenclature Section.

The Bureau of Nomenclature, elected or appointed in conformity with Division (Div.) III Provision (Prov.) 4 of the *Code*, consisted of Sandra Knapp (United Kingdom, President), Nicholas (Nick) J. Turland (Germany, Rapporteur-général), John H. Wiersema (U.S.A., Vice-rapporteur), Inés Álvarez (Spain, Recorder), Anna M. Monro (Australia, Recorder), and five Vice-presidents: Werner Greuter (Germany/Italy), David J. Mabberley (Australia/

United Kingdom), Gideon F. Smith (South Africa), Carmen Ulloa Ulloa (U.S.A./Ecuador), and Karen L. Wilson (Australia).

The President appointed five Tellers: Edeline Gagnon (Canada), Briggithe Melchor-Castro (United Kingdom/Peru), Peter Moonlight (Ireland), Gustavo Shimizu (Brazil), and Jacek Wajer (United Kingdom).

The Nominating Committee was proposed by the President, in consultation with the other members of the Bureau of Nomenclature and was elected with a vote by the Section. It consisted of 11 members: Jana Leong-Škorničková (Singapore, Secretary), Martin Callmänder (Switzerland), Rocío Deanna (Finland/Argentina), Ana Paula Fortuna (Brazil), Roy Gereau (U.S.A.), Lynn Gillespie (Canada), Leslie R. Landrum (U.S.A.), Blanca León (Peru), Jinshuang Ma (China), Rosa Rankin Rodríguez (Cuba), and Tiina Särkinen (United Kingdom).

The voting procedures for the Section were according to Div. III Prov. 5. Members of the Section spoke only when recognized by the President and stated their names and affiliations for the record. Debates were frank and respectful, even though members of the Section had very differing views on some of the issues being discussed. Consideration of new proposals (floor proposals) was deferred until the final session on the morning of Friday, 19 July. The deadline for submitting new proposals in writing or by email to the Bureau of Nomenclature was initially set at 19:00 on Wednesday, 17 July but was later extended to 19:00 on Thursday, 18 July.

Most of the decisions taken by the Section were clear cut, with the result being obvious by a show of raised hands. When a result was not immediately obvious, the President, Rapporteur-général, and Vice-rapporteur counted the raised hands for and against the proposal in order to ascertain whether the required majority (Div. III

Prov. 5.1 and 5.2) had been achieved. In five cases a formal card vote was requested (Table 6). Voting cards for delegates' personal votes were marked with a "P" so that personal and institutional votes could be separately tabulated. The cards were also labelled with "1 personal vote" or "[n] institutional votes", and colour-coded for the number of votes (white for 1 vote, green for 2, yellow for 3, and orange for 5). Members placed their cards in green "yes" and red "no" ballot boxes, except in card vote 4, which was a secret ballot, where members hand-wrote "yes" or "no" on each card and placed them in any ballot box. Separate figures for institutional and personal votes are provided in Table 6.

The *Madrid Code* will be prepared by the Editorial Committee in conformity with the decisions of the Nomenclature Section of the Madrid Congress (Div. III Prov. 7.11).

The full proceedings of the Section, based on the audio and video recordings of the debates, will, as for the Shenzhen, Melbourne, and Vienna Congresses, be published thanks to generous financial support from the International Association for Plant Taxonomy (IAPT) to cover transcription, editing, and open-access publication online. (For the Shenzhen, Melbourne, and Vienna proceedings see, respectively, Lindon & al. in *PhytoKeys* 150: 1–276. 2020, <https://doi.org/10.3897/phytokeys.150.50687>; Flann & al. in *PhytoKeys* 41: 1–289. 2014, <https://doi.org/10.3897/phytokeys.41.8398>; Flann & al. in *PhytoKeys* 45: 1–341. 2015, <https://doi.org/10.3897/phytokeys.45.9138>.)

PROPOSALS TO AMEND THE CODE

Published proposals

The Section, by a vote, accepted the *Shenzhen Code*, including its Appendices, and the San Juan Chapter F (May & al. in IMA

Table 1. Comparative statistics on proposals and voting at International Botanical Congresses over the past 74 years. Details for the pre-Madrid Congresses are repeated unchanged from the corresponding table in Turland & al. (in *Taxon* 66: 1256. 2017, table 2).

Congress	Proposals	Ballots returned in mail vote	Members of Nomenclature Section	Institutional votes (number of institutions)	Total votes
Madrid (2024)	433	201	173	433 (192)	606
Shenzhen (2017)	397	82	155	427 (166)	582
Melbourne (2011)	338	140	204	396 (162)	600
Vienna (2005)	312	166	198	402 (170)	600
Saint Louis (1999)	215	229	297	494 (231)	791
Tokyo (1993)	321	202	95	361 (148)	456
Berlin (1987)	336	160	157	296 (116)	453
Sydney (1981)	213	187	153	328 (135)	485
Leningrad (1975)	161	?	165	381 (156)	546
Seattle (1969)	223 ^a	?	“200 or so” ^a	?	?
Edinburgh (1964)	337 ^a	?	161	202 (87)	363
Montreal (1959)	333 ^a	?	168	266 (101)	434
Paris (1954)	387	355	91	202 (80)	293
Stockholm (1950)	550 ^a	c. 200	71 ^b	?	?

^a These figures are taken from the table on page 37 in Stafleu’s account of the Nomenclature Section in Seattle (in *Taxon* 19: 36–42. 1970); those for the number of proposals are substantially higher than the apparent numbers in the lists of proposals to the Montreal Congress (*Regnum Veg.* 14: 6. 1959) and the Edinburgh Congress (*Regnum Veg.* 30: 6. 1964). Other figures are from the contemporary published records.

^b Based on a count of those in the “Section Nomenclature” photograph (Osvold & Åberg, *Proc. VII Int. Bot. Congr.*: pl. XVI. 1953), provided to J. McNeill by P. van Rijkceversel.

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Table 2. Geographical statistics by country on members/personal votes, institutions, and institutional votes at the Nomenclature Section of the Madrid Congress (sorted in descending order by total number of votes, then alphabetically by country).

Country	Members / Personal votes	Institutions	Institutional votes	Total votes
U.S.A.	30	23	60	90
Brazil	12	28	42	54
United Kingdom	18	6	24	42
Australia	7	8	28	35
Spain	17	7	12	29
Germany	12	6	16	28
China	10	6	17	27
Italy	5	10	18	23
South Africa	3	8	15	18
Argentina	3	7	14	17
France	4	6	13	17
India	5	6	11	16
Switzerland	5	5	11	16
Russia	1	3	14	15
Poland	1	6	11	12
Canada	4	3	7	11
Denmark	0	2	11	11
New Zealand	2	4	9	11
Sweden	1	2	10	11
Belgium	3	1	6	9
Mexico	1	3	8	9
Norway	4	1	5	9
Czechia	1	4	7	8
Austria	1	3	6	7
Turkey	2	3	5	7

(Continues)

Country	Members / Personal votes	Institutions	Institutional votes	Total votes
Cuba	0	3	6	6
Japan	2	2	4	6
Slovakia	1	4	5	6
Ecuador	0	5	5	5
Peru	3	1	2	5
Portugal	1	2	4	5
Singapore	2	1	3	5
South Korea	3	1	2	5
Ukraine	0	1	5	5
Finland	2	1	2	4
Kenya	0	2	4	4
Netherlands	0	1	4	4
Ireland	1	1	1	2
Liberia	2	0	0	2
Uruguay	2	0	0	2
Cameroon	0	1	1	1
Costa Rica	1	0	0	1
Greece	0	1	1	1
Ivory Coast	0	1	1	1
Luxembourg	0	1	1	1
Namibia	0	1	1	1
Thailand	1	0	0	1
Trinidad and Tobago	0	1	1	1
Total (48)	173	192	433	606

Fungus 10(21). 2019, <https://doi.org/10.1186/s43008-019-0019-1>) as the basis for its deliberations.

The proposals were considered and acted upon in a sequence largely following the published “Synopsis of proposals” (Turland & Wiersema in Taxon 73: 325–404. 2024, <https://doi.org/10.1002/tax.13114>), which in turn follows the sequence of provisions in the *Code*. Deviations from this sequence occurred when related proposals were discussed together, usually under the key proposal (e.g. the proposal under which the Rapporteurs’ comments appeared in the Synopsis).

The Section’s decisions are tabulated below (Tables 7, 8). Of the 433 proposals submitted (more than at any other Section since the Stockholm Congress of 1950; Table 1), 134 were accepted (31.0%); of these, 26 were amended before they were accepted. 272 proposals (62.8%) were rejected; of these, 11 were rejected automatically because the proposal was dependent on another proposal that was rejected, and 106 were ruled as rejected because

they received 75% or more “no” votes in the mail vote (Div. III Prov. 5.5); none of the proposals ruled as rejected was reintroduced for discussion by members of the Section. 22 proposals were automatically referred to the Editorial Committee because they concerned only Examples or the Glossary (Div. III Prov. 5.6); none of these proposals was reintroduced for discussion. One proposal was referred to a Special-purpose Committee (see below) and four proposals were withdrawn. In the Friday morning session, 14 new proposals were introduced from the floor of the Section (see below).

New (floor) proposals

After dealing with the 433 published proposals, the Section considered 14 new (floor) proposals to amend the *Code*. Each floor proposal required the support of at least six members of the Section including the authors (Div. III Prov. 5.7). The proposals were discussed in random order based on numbered, folded cards drawn

from the President's hat by Kanchi Gandhi. Of these, five were accepted (Prop. 2, 4, 5, 6, and 7), two were accepted as amended (Prop. 8 and 11), six were rejected (Prop. 1, 3, 9, 10, 12, and 14), and one was withdrawn (Prop. 13). Only those that were accepted with or without amendment are shown below.

Floor Prop. 2, proposed by Melanie Schori & John H. Wiersema.

Modify the new Note of Art. 7 Prop. Q to explain that autonyms are also included under Art. 7.11 (new text in bold):

“*Note 2bis.* The effective typification of a name necessarily establishes the same typification for all names sharing the same basionym (Art. 7.3) or replaced synonym (Art. 7.4) and that basionym or replaced synonym **and of an autonym necessarily establishes the same typification for the name from which it is derived (Art. 7.7).**”

Accepted.

Floor Prop. 4, proposed by Martin J. Head; for the full text see Head & al. (in Taxon 73: 405–407. 2024, <https://doi.org/10.1002/tax.13128>).

Replace Art. 11.7 and its two Examples (Ex. 29 and 30), illustrating it with four Examples from Art. 11.8.

Replace Art. 11.8 and add two new Examples.

Move Art. 11 Note 5 and Ex. 36–38 to follow Art. 53.1.

Add a new Glossary entry: equivalence.

Delete Art. 11 Ex. 35.

Add two new Examples under Art. 13.3.

Accepted.

Floor Prop. 5, proposed by Alexey P. Seregin.

Amend Art. 23.2 as follows (new text in bold):

“23.2. The epithet in the name of a species may be taken from any source whatever, and may even be composed arbitrarily (but see Art. 60.1). **The epithet in the name of a species on or after 1 January 2026 must consist of at least two, but no more than 30 characters.**”

Accepted.

Floor Prop. 6, proposed by Nicholas J. Turland.

Amend Art. 33.1 as follows (new text in bold, deleted text in strikethrough):

“33.1. The date of a name is that of its valid publication. When the various conditions for valid publication are not simultaneously

fulfilled, the date is that on which the last is fulfilled. However, the name must always be explicitly accepted in the place of its valid publication. ~~A name published on or after 1 January 1973 for which~~ **When** the various conditions for valid publication are not simultaneously fulfilled, **a name** is not validly published unless ~~full and direct~~ **full and direct** reference (Art. 41.5) is given to the place(s) where these requirements were previously fulfilled; **this reference must be full and direct (Art. 41.5) on or after 1 January 1973** (~~but see also~~ Art. 41.7).”

Amend Art. 38.13 as follows (new text in bold):

“38.13. For the purpose of valid publication of a name of a new taxon, reference to a previously and effectively published description or diagnosis may be direct or indirect (Art. 38.14). For names published on or after 1 January 1953, **for which the requirement for a description or diagnosis was not previously fulfilled (see Art. 33.1),** it must, however, be full and direct as specified in Art. 41.5.”

Accepted.

Floor Prop. 7, proposed by Melanie Schori.

Amend Art. 34.1, 34.2 and Rec. 34A.1 as follows (new text in bold):

“34.1. New names at specified ranks included in publications **or parts thereof** listed as suppressed works (opera utique oppressa; App. I) are not validly published and no nomenclatural act within the work associated with any name at the specified ranks is effective. Proposals for the addition of publications **or parts thereof** to App. I must be submitted to the General Committee, which will refer them for examination to the specialist committees for the various taxonomic groups (see Rec. 34A, Div. III Prov. 2.2, 7.9, and 7.10; see also Art. 14.12 and 56.2).”

“34.2. When a proposal for the suppression of a publication **or part thereof** has been approved by the General Committee after study by the specialist committees for the taxonomic groups concerned, suppression of that publication **or part** is authorized subject to the decision of a later International Botanical Congress (see also Art. 14.15 and 56.3) and takes retroactive effect.”

“34A.1. When a proposal for the suppression of a publication **or part thereof** under Art. 34.1 has been referred to the appropriate specialist committees for study, authors should follow existing usage of names as far as possible pending the General Committee's recommendation on the proposal (see also Rec. 14A and 56A).”

Accepted.

Table 3. Geographical statistics by region on members/personal votes, institutions, and institutional votes at the Nomenclature Section of the Madrid Congress (sorted in descending order by total number of votes). Europe includes Turkey west of the Bosphorus Strait and Russia west of the Ural Mountains, otherwise these countries are included in Asia; Northern America is defined as north of Mexico; Latin America and Caribbean are defined as Mexico southward and the Caribbean islands.

Region	Members / Personal votes	Institutions	Institutional votes	Total votes
Europe	78	74	187	265
Northern America	34	26	67	101
Latin America and Caribbean	22	48	78	100
Asia	25	19	42	67
Australasia and Pacific	9	12	37	46
Africa	5	13	22	27
Total	173	192	433	606

Table 4. Statistics on gender and taxonomic expertise at the Nomenclature Section of the Madrid Congress, based on an anonymous questionnaire returned by 87 of the 173 members.

	Number of responding members	% of the 87 responding members
Gender		
Man/male	50	57.5%
Woman/female	32	36.8%
Non-binary/gender fluid	0	0%
I use a different term	2	2.3%
Prefer not to answer	2	2.3%
Man/male AND non-binary/gender fluid	1	1.1%
Total	87	
Taxonomic expertise		
Algae	4	4.6%
Fungi	7	8.0%
Vascular plants	68	78.2%
Bryophytes	6	6.9%
Fossils	5	5.8%
Other	3	3.5%
Total (some members declared more than one expertise)	93	

Floor Prop. 8, proposed by David L. Hawksworth.
Insert a new Note under Art 34.1 as follows:
“*Note n.* A “work” for the purposes of this Article is normally a separately published book, or a numbered part or supplement of a journal. Individual papers or series of papers in regular issues of journals ~~are~~ **should** not be normally considered candidates for suppression.”
Accepted as amended to convert the Note to a Recommendation and replacing “are not” with “should not be” (new text in bold, deleted text in strikethrough).

Floor Prop. 11, proposed by Jonathan Krieger.
Add a new Article to Art. 42:
“42.7. In the interests of fully exploring best practices for the registration of nomenclatural novelties, the General Committee (see Div. III Prov. 7) has the power to appoint one or more repositories (as specified under Art. 42.5) to register nomenclatural novelties in a manner other than the protocol described in Art. 42.6, for example, those that follow the well-established practices for fungal names (Art. F.5.2). Regardless of the protocol employed, registration will remain voluntary. Such appointments made by this Committee under these powers are subject to **the decision of a subsequent Nomenclature Section and** ratification by a subsequent International Botanical Congress.”
Accepted as amended by adding the phrase shown in bold.

Motion on submitting multiple proposals
Floor Prop. 12, which was rejected, would have added a new paragraph to Div. III Prov. 2: “No individual may be an author of

more than fifty proposals to amend the *Code* submitted to any single Nomenclature Section of the International Botanical Congress.” The proposal achieved a 53% majority in favour, falling short of the required qualified majority, but in response the President moved that the Section might like to send a message to the community that it would be appreciated if authors would refrain from submitting multiple proposals that would repeatedly amend (especially in different ways) the same provisions of the *Code*. This motion was unanimously accepted.

SPECIAL-PURPOSE COMMITTEES

The Section accepted proposals from the floor to establish four Special-purpose Committees to report to the Nomenclature Section of the XXI International Botanical Congress to be held in Cape Town, South Africa, in 2029.

- Special-purpose Committee on Types and Typification
- Special-purpose Committee on Typeless Names and DNA Sequences as Types
- Special-purpose Committee on Naming Ambiregnal Organisms
- Special-purpose Committee on Ethics in Nomenclature

Sign-up sheets were provided for members of the Section to volunteer to serve on the Committees or to propose potential members. The precise membership and mandates of these Committees will be

Table 5. Livestreaming the Nomenclature Section of the Madrid Congress: user numbers and access times across the whole Section, five days, and ten sessions.

	Total number of unique users	Total time livestream accessed by all users (minutes)	Average time livestream accessed per user (minutes)
Whole Section	219	68,516	313
Day			
15 July	138	19,486	141
16 July	87	14,516	167
17 July	83	13,748	166
18 July	75	12,824	171
19 July	51	7,942	156
Session			
15 July morning	95	11,024	116
15 July afternoon	85	8,462	100
16 July morning	58	7,166	124
16 July afternoon	61	7,350	120
17 July morning	53	6,978	132
17 July afternoon	61	6,770	111
18 July morning	55	6,872	125
18 July afternoon	46	5,952	129
19 July morning	41	6,084	148
19 July afternoon	34	1,858	55

reviewed by the General Committee and announced in one of its forthcoming reports.

PERMANENT NOMENCLATURE COMMITTEE REPORTS

At its final session, the Section received reports from the nine Permanent Nomenclature Committees (to be published in the full proceedings of the Section) and considered the ten previously published reports of the General Committee (reports 22–31: Wilson in Taxon 70: 1360–1362. 2021, <https://doi.org/10.1002/tax.12625>; Wilson in Taxon 71: 216–218. 2022, <https://doi.org/10.1002/tax.12674>; Wilson in Taxon 71: 1315–1318. 2022, <https://doi.org/10.1002/tax.12862>; Wilson in Taxon 72: 422–424. 2023, <https://doi.org/10.1002/tax.12896>; Wilson in Taxon 72: 905–907. 2023, <https://doi.org/10.1002/tax.12994>; Wilson in Taxon 72: 1112–1114. 2023, <https://doi.org/10.1002/tax.13068>; Wilson in Taxon 72: 1353–1354. 2023, <https://doi.org/10.1002/tax.13100>; Wilson in Taxon 73: 619–621. 2024, <https://doi.org/10.1002/tax.13151>; Wilson in Taxon 73: 897–898. 2024, <https://doi.org/10.1002/tax.13178>; Wilson in Taxon 73: 1081–1084. 2024, <https://doi.org/10.1002/tax.13224>). These ten reports contain the General Committee's recommendations to conserve or not conserve names (Art. 14); protect or not protect lists of fungal names (Art. F.2); reject or not reject names (Art. 56, including lists of fungal names under Art. F.7); suppress or not suppress publications (Art. 34); treat names as validly published or not validly published (Art. 38.4); and treat names as homonyms or not homonyms (Art. 53.4). The Section accepted these recommendations as a block. First, in accordance with Div. III Prov. 5.1(f), the Section unanimously voted against

tax.12994; Wilson in Taxon 72: 1112–1114. 2023, <https://doi.org/10.1002/tax.13068>; Wilson in Taxon 72: 1353–1354. 2023, <https://doi.org/10.1002/tax.13100>; Wilson in Taxon 73: 619–621. 2024, <https://doi.org/10.1002/tax.13151>; Wilson in Taxon 73: 897–898. 2024, <https://doi.org/10.1002/tax.13178>; Wilson in Taxon 73: 1081–1084. 2024, <https://doi.org/10.1002/tax.13224>). These ten reports contain the General Committee's recommendations to conserve or not conserve names (Art. 14); protect or not protect lists of fungal names (Art. F.2); reject or not reject names (Art. 56, including lists of fungal names under Art. F.7); suppress or not suppress publications (Art. 34); treat names as validly published or not validly published (Art. 38.4); and treat names as homonyms or not homonyms (Art. 53.4). The Section accepted these recommendations as a block. First, in accordance with Div. III Prov. 5.1(f), the Section unanimously voted against

Table 6. Card votes taken at the Nomenclature Section of the Madrid Congress, showing the proportions of institutional votes and personal votes. Abbreviations: acc. = accepted; inst. = institutional votes; pers. = personal votes; rej. = rejected. A simple majority (more than 50%) is required to establish a Special-purpose Committee (card vote 1; Div. III Prov. 5.2(f)), whereas a qualified majority (at least 60%) is required to accept a proposal to amend the *Code* (card votes 2–6; Div. III Prov. 5.1(a)).

Description	Result	Vote type	Yes	No	Total	% Yes
Card vote 1: establish a Special-purpose Committee on Types and Typification	acc.	inst.	197	181	378	52.1%
		pers.	72	62	134	53.7%
		total	269	243	512	52.5%
Card vote 2: Art. 42 Prop. A and Rec. 42A (new) Prop. A (voluntary registration)	acc.	inst.	280	115	395	70.9%
		pers.	103	27	130	79.2%
		total	383	142	525	73.0%
[Card vote 3 not used]						
Card vote 4: Art. 61 Prop. G (epithets with the root <i>caf</i> [f][e] <i>r</i> -)	acc.	inst.	255	161	416	61.3%
		pers.	96	44	140	68.6%
		total	351	205	556	63.1%
Card vote 5: Div. III Prop. C (one institution, one institutional vote)	acc.	inst.	323	98	421	76.7%
		pers.	113	17	130	86.9%
		total	436	115	551	79.1%
Card vote 6: Floor Prop. 10 (amend already accepted Art. 42 Prop. A and Rec. 42A (new) Prop. A)	rej.	inst.	196	201	397	49.4%
		pers.	81	56	137	59.1%
		total	277	257	534	51.9%

Table 7. Categories of action taken on proposals at the Madrid Congress. For explanation of abbreviations see Table 8.

Congress action	Number of proposals	%	Congress action	Number of proposals	%
Accepted	134	31.0%	acc.	108	25.0%
			acc.amend.	26	6.0%
Rejected	272	62.8%	rej.	155	35.8%
			rej.auto.	11	2.5%
			rej.m.v.	106	24.5%
Referred to the Editorial Committee	22	5.1%	ed.c.auto.	22	5.1%
Referred to a Special-purpose Committee	1	0.2%	sp.p.c.	1	0.2%
Withdrawn	4	0.9%	withdrawn	4	0.9%
Total	433	100.0%		433	100.0%

Table 8. Congress action on the 433 proposals to amend the *Code* submitted to the Madrid Congress, arranged according to the “Synopsis of proposals” (Turland & Wiersema in Taxon 73: 325–404, 2024, <https://doi.org/10.1002/tax.13114>). Running numbers refer to the full proposals as published in *Taxon*. Congress action is indicated as follows: acc. = accepted; acc.amend. = accepted as amended; ed.c.auto. = automatically referred to the Editorial Committee because the proposal concerns only Examples or the Glossary (Div. III Prov. 5.6); rej. = rejected; rej.auto. = rejected automatically because the proposal was dependent on another proposal that was rejected; rej.m.v. = ruled as rejected because the proposal received 75% or more “no” votes in the mail vote (Div. III Prov. 5.5); sp.p.c. = referred to a Special-purpose Committee; withdrawn = withdrawn by the proposer(s). Superscript numbers refer to the Notes on Congress action below Table 8.

Running number in Taxon	Proposal number in Synopsis order	Congress action
Preamble		
051	Prop. A	acc.
195	Prop. B	rej.
349	Prop. C	rej.
Principles		
339	Prop. A	rej.m.v.
Art. 4		
350	Prop. A	rej.m.v.
Rec. 5A		
426	Prop. A	acc.
Chapter II		
340	Prop. A	rej.m.v.
Art. 6		
136	Prop. A	acc.
196	Prop. B	rej.
341	Prop. C	rej.m.v.
242	Prop. D	rej.
053	Prop. E	acc.
054	Prop. F	ed.c.auto.
408	Prop. G	acc.
063	Prop. H	rej.
055	Prop. I	rej.
056	Prop. J	rej.
057	Prop. K	rej.
296	Prop. L	rej.
245	Prop. M	rej.
001	Prop. N	rej.
058	Prop. O	rej.
060	Prop. P	acc.
059	Prop. Q	acc.amend. ¹
061	Prop. R	rej.
137	Prop. S	acc.
197	Prop. T	rej.m.v.
297	Prop. U	rej.m.v.
298	Prop. V	rej.
299	Prop. W	rej.m.v.
398	Prop. X	rej.

(Continues)

Running number in Taxon	Proposal number in Synopsis order	Congress action
301	Prop. Y	rej.
400	Prop. Z	rej.
Rec. 6A (new)		
062	Prop. A	rej.
Art. 7		
342	Prop. A	rej.m.v.
002	Prop. B	rej.m.v.
003	Prop. C	rej.
065	Prop. D	rej.
138	Prop. E	rej.m.v.
025	Prop. F	acc.
139	Prop. G	acc.
399	Prop. H	rej.auto.
106	Prop. I	rej.m.v.
257	Prop. J	rej.m.v.
249	Prop. K	rej.
066	Prop. L	rej.
067	Prop. M	rej.m.v.
088	Prop. N	rej.
198	Prop. O	rej.m.v.
253	Prop. P	acc.
358	Prop. Q	acc.
Rec. 7A		
254	Prop. A	rej.
091	Prop. B	acc.amend. ²
360	Prop. C	acc.
199	Prop. D	rej.
Rec. 7B (new)		
026	Prop. A	rej.
069	Prop. B	rej.
Art. 8		
004	Prop. A	rej.m.v.
093	Prop. B	rej.m.v.
140	Prop. C	acc.
329	Prop. D	rej.m.v.
097	Prop. E	rej.
305	Prop. F	rej.

(Continues)

Table 8. Continued.

Running number in Taxon	Proposal number in Synopsis order	Congress action
142	Prop. G	acc.
143	Prop. H	acc.
098	Prop. I	acc.
163	Prop. J	rej.auto. ³
375	Prop. K	rej.auto. ⁴
149	Prop. L	ed.c.auto.
099	Prop. M	rej.
144	Prop. N	acc.
200	Prop. O	rej.
100	Prop. P	rej.
145	Prop. Q	acc.
304	Prop. R	rej.
Rec. 8A		
104	Prop. A	acc.
027	Prop. B	acc.
095	Prop. C	rej.
096	Prop. D	rej. ⁵
006	Prop. E	rej.m.v.
028	Prop. F	rej.
146	Prop. G	acc.
147	Prop. H	acc.
150	Prop. I	rej.
Art. 9		
007	Prop. A	acc.
029	Prop. B	ed.c.auto.
330	Prop. C	rej.m.v.
366	Prop. D	acc.
367	Prop. E	rej.m.v.
008	Prop. F	acc.
363	Prop. G	rej.m.v.
102	Prop. H	rej.m.v.
103	Prop. I	rej.
165	Prop. J	acc.
376	Prop. K	rej.m.v.
030	Prop. L	rej.
009	Prop. M	acc.
201	Prop. N	rej.
202	Prop. O	acc.
255	Prop. P	acc.
256	Prop. Q	rej.
361	Prop. R	rej.m.v.

(Continues)

Running number in Taxon	Proposal number in Synopsis order	Congress action
352	Prop. S	rej.
353	Prop. T	rej.
355	Prop. U	acc.
356	Prop. V	rej.
010	Prop. W	acc.
034	Prop. X	acc.
035	Prop. Y	ed.c.auto.
105	Prop. Z	rej.
011	Prop. AA	rej.
031	Prop. BB	rej.m.v.
036	Prop. CC	rej.
032	Prop. DD	rej.
037	Prop. EE	rej.
107	Prop. FF	ed.c.auto.
108	Prop. GG	rej.
331	Prop. HH	rej.m.v.
151	Prop. II	rej.
365	Prop. JJ	rej.m.v.
070	Prop. KK	ed.c.auto.
012	Prop. LL	acc.
166	Prop. MM	rej.
362	Prop. NN	acc.
306	Prop. OO	rej.
307	Prop. PP	rej.m.v.
309	Prop. QQ	rej.
310	Prop. RR	rej.m.v.
038	Prop. SS	ed.c.auto.
311	Prop. TT	rej.m.v.
141	Prop. UU	rej.
312	Prop. VV	rej.
313	Prop. WW	rej.
314	Prop. XX	ed.c.auto.
013	Prop. YY	rej.m.v.
109	Prop. ZZ	rej.
315	Prop. AAA	rej.
068	Prop. BBB	rej. ⁶
332	Prop. CCC	rej.m.v.
089	Prop. DDD	acc.
014	Prop. EEE	rej.m.v.
110	Prop. FFF	ed.c.auto. ⁷
303	Prop. GGG	rej.

(Continues)

Table 8. Continued.

Running number in Taxon	Proposal number in Synopsis order	Congress action
Rec. 9A		
101	Prop. A	acc.
308	Prop. B	rej.
039	Prop. C	rej.m.v.
354	Prop. D	rej.
Rec. 9B		
015	Prop. A	rej.
016	Prop. B	rej.m.v.
316	Prop. C	rej.
167	Prop. D	rej.m.v.
Rec. 9C		
071	Prop. A	acc.amend. ⁸
Art. 10		
083	Prop. A	acc.amend. ⁹
087	Prop. B	acc. ¹⁰
168	Prop. C	acc.
169	Prop. D	rej.m.v.
084	Prop. E	rej.
170	Prop. F	rej.
152	Prop. G	acc.
085	Prop. H	rej.
033	Prop. I	rej.
086	Prop. J	rej.
359	Prop. K	acc.amend. ¹¹
Art. 11		
250	Prop. A	rej.m.v.
017	Prop. B	ed.c.auto.
258	Prop. C	rej.m.v.
259	Prop. D	rej.m.v.
260	Prop. E	rej.m.v.
Art. 12		
244	Prop. A	rej.
Art. 13		
266	Prop. A	acc.
Art. 14		
175	Prop. A	rej.
154	Prop. B	acc.amend. ¹²
176	Prop. C	acc.
124	Prop. D	rej.m.v.
427	Prop. E	acc.
125	Prop. F	rej.m.v.

(Continues)

Running number in Taxon	Proposal number in Synopsis order	Congress action
Chapter II new Art.		
343	Prop. A	rej.m.v. ¹³
Art. 19		
155	Prop. A	rej.
351	Prop. B	rej.m.v.
Art. 20		
205	Prop. A	acc.
417	Prop. B	rej.
369	Prop. C	acc.
370	Prop. D	acc.amend. ¹⁴
371	Prop. E	acc.
072	Prop. F	acc.
111	Prop. G	rej.
261	Prop. H	rej.m.v.
373	Prop. I	acc.
262	Prop. J	rej.m.v.
Rec. 20A		
112	Prop. A	acc.
372	Prop. B	acc.
Art. 21		
246	Prop. A	rej.
Art. 22		
174	Prop. A	rej.
394	Prop. B	acc.amend. ¹⁵
Art. 23		
073	Prop. A	rej.
156	Prop. B	acc.
207	Prop. C	rej.
114	Prop. D	rej.m.v.
203	Prop. E	rej.m.v.
204	Prop. F	rej.m.v.
157	Prop. G	acc.amend. ¹⁶
115	Prop. H	acc.
216	Prop. I	rej.
074	Prop. J	acc.
264	Prop. K	rej.m.v.
075	Prop. L	acc.
206	Prop. M	acc.
263	Prop. N	rej.m.v.
Rec. 23A		
113	Prop. A	acc.

(Continues)

Table 8. Continued.

Running number in Taxon	Proposal number in Synopsis order	Congress action
177	Prop. B	rej.
	Rec. 23B (new)	
208	Prop. A	rej.m.v.
209	Prop. B	rej.
210	Prop. C	rej.
	Art. 24	
158	Prop. A	acc.
247	Prop. B	rej.
	Art. 29	
333	Prop. A	rej.m.v.
317	Prop. B	rej.m.v.
	Art. 30	
178	Prop. A	rej.m.v.
428	Prop. B	acc.amend. ¹⁷
159	Prop. C	acc.amend. ¹⁷
	Art. 31	
251	Prop. A	rej.
040	Prop. B	rej.m.v.
	Rec. 31B	
116	Prop. A	acc.
	Art. 32	
419	Prop. A	rej.
248	Prop. B	rej.
	Art. 33	
429	Prop. A	withdrawn ¹⁸
	Art. 35	
041	Prop. A	acc.amend. ¹⁹
	Art. 36	
042	Prop. A	ed.c.auto.
265	Prop. B	rej.m.v.
430	Prop. C	acc.
	Art. 37	
319	Prop. A	acc.amend. ²⁰
	Art. 38	
164	Prop. A	rej.
324	Prop. B	rej.
334	Prop. C	rej.m.v.
344	Prop. D	rej.m.v.
268	Prop. E	rej.
043	Prop. F	rej.m.v.
267	Prop. G	rej.m.v.

(Continues)

Running number in Taxon	Proposal number in Synopsis order	Congress action
323	Prop. H	rej.m.v.
269	Prop. I	rej.m.v.
374	Prop. J	rej.
076	Prop. K	rej.
077	Prop. L	rej.
217	Prop. M	rej.
218	Prop. N	acc.
243	Prop. O	rej.
325	Prop. P	rej.
179	Prop. Q	ed.c.auto.
078	Prop. R	ed.c.auto.
320	Prop. S	acc.
	Rec. 38F (new)	
221	Prop. A	rej.
	Art. 39	
345	Prop. A	rej.m.v.
	Art. 40	
180	Prop. A	rej.m.v.
270	Prop. B	acc.amend. ²¹
346	Prop. C	rej.m.v.
018	Prop. D	acc.
153	Prop. E	acc. ²²
357	Prop. F	rej.
368	Prop. G	rej.m.v.
326	Prop. H	rej.
020	Prop. I	acc.
094	Prop. J	rej.m.v.
222	Prop. K	acc.
335	Prop. L	rej.m.v.
019	Prop. M	acc.
090	Prop. N	acc.
160	Prop. O	rej.
148	Prop. P	acc.
401	Prop. Q	rej.
	Chapter V Sect. 2	
336	Prop. A	rej.m.v.
	Rec. 40A	
044	Prop. A	rej.
223	Prop. B	acc.
224	Prop. C	rej.m.v.
327	Prop. D	rej.

(Continues)

Table 8. Continued.

Running number in Taxon	Proposal number in Synopsis order	Congress action
117	Prop. E	rej.
	Art. 41	
225	Prop. A	rej.
271	Prop. B	rej.
302	Prop. C	rej.
079	Prop. D	rej.m.v.
118	Prop. E	rej.
184	Prop. F	rej.
226	Prop. G	acc.
272	Prop. H	acc.amend. ²³
318	Prop. I	rej.m.v.
045	Prop. J	rej.m.v.
046	Prop. K	rej.auto. ²⁴
328	Prop. L	rej.
064	Prop. M	rej.m.v.
227	Prop. N	rej.m.v.
300	Prop. O	rej.
	Rec. 41A	
273	Prop. A	acc.
	Art. 42	
377	Prop. A	acc.amend. ²⁵
	Rec. 42A (new)	
378	Prop. A	acc. ²⁵
	Art. 44	
181	Prop. A	rej.m.v.
337	Prop. B	rej.m.v.
347	Prop. C	rej.m.v.
182	Prop. D	rej.m.v.
183	Prop. E	rej.m.v.
	Art. 45	
379	Prop. A	rej.m.v. ²⁶
380	Prop. B	rej.m.v. ²⁶
381	Prop. C	rej.m.v. ²⁶
382	Prop. D	rej. ²⁶
274	Prop. E	ed.c.auto.
275	Prop. F	rej.m.v.
276	Prop. G	rej.m.v.
277	Prop. H	rej.m.v.
278	Prop. I	rej.m.v.
279	Prop. J	rej.m.v.
280	Prop. K	rej.m.v.

(Continues)

Running number in Taxon	Proposal number in Synopsis order	Congress action
	Art. 46	
281	Prop. A	rej.
383	Prop. B	rej.
386	Prop. C	rej.
388	Prop. D	rej.
384	Prop. E	rej.auto.
385	Prop. F	rej.
387	Prop. G	rej.
389	Prop. H	rej.
	Rec. 46C	
021	Prop. A	rej.
	Art. 48	
390	Prop. A	acc.amend. ²⁷
395	Prop. B	acc.
402	Prop. C	rej.m.v.
171	Prop. D	rej.
173	Prop. E	rej.m.v.
185	Prop. F	acc.
391	Prop. G	rej.
396	Prop. H	rej.
	Rec. 50D	
047	Prop. A	rej.m.v.
	Art. 51	
406	Prop. A	rej.m.v.
119	Prop. B	rej.
120	Prop. C	acc.amend. ²⁸
	Rec. 51A (new)	
092	Prop. A	acc.
	Art. 52	
252	Prop. A	acc.
404	Prop. B	rej.
407	Prop. C	rej.
172	Prop. D	rej.
392	Prop. E	rej.
393	Prop. F	acc.
411	Prop. G	rej. ²⁹
412	Prop. H	rej.m.v.
413	Prop. I	rej.
409	Prop. J	rej.
410	Prop. K	rej.
123	Prop. L	rej.

(Continues)

Table 8. Continued.

Running number in Taxon	Proposal number in Synopsis order	Congress action
Art. 53		
405	Prop. A	rej.
219	Prop. B	acc.
Art. 54		
431	Prop. A	withdrawn
Art. 56		
121	Prop. A	acc.amend. ²⁸
Art. 60		
414	Prop. A	rej.m.v.
415	Prop. B	rej.m.v.
416	Prop. C	rej.m.v.
418	Prop. D	rej.
228	Prop. E	acc.
229	Prop. F	rej.
230	Prop. G	acc.amend. ³⁰
231	Prop. H	ed.c.auto.
022	Prop. I	acc.
023	Prop. J	acc.
024	Prop. K	rej. ³¹
048	Prop. L	acc.
186	Prop. M	acc.
233	Prop. N	rej.m.v.
234	Prop. O	rej.
282	Prop. P	rej.
235	Prop. Q	acc.amend. ³²
236	Prop. R	acc.
237	Prop. S	ed.c.auto.
238	Prop. T	rej.
211	Prop. U	rej.
212	Prop. V	acc.amend. ³³
049	Prop. W	rej. ³⁴
213	Prop. X	acc.
214	Prop. Y	acc.amend., rej. ³⁵
215	Prop. Z	rej.
187	Prop. AA	acc.
Rec. 60 (new)		
232	Prop. A	acc.
239	Prop. B	rej.m.v.
240	Prop. C	rej.m.v.
Art. 61		
420	Prop. A	rej.

(Continues)

Running number in Taxon	Proposal number in Synopsis order	Congress action
421	Prop. B	rej.
422	Prop. C	rej.auto.
423	Prop. D	rej.auto.
424	Prop. E	rej.auto.
425	Prop. F	rej.auto.
126	Prop. G	acc. ³⁶
Art. 62		
188	Prop. A	acc.
189	Prop. B	acc.
190	Prop. C	acc.
191	Prop. D	acc.
Chapter E (new)		
192	Prop. A	sp.p.c. ³⁷
Art. H.5		
080	Prop. A	acc.
Art. H.6		
283	Prop. A	acc.
081	Prop. B	acc.
082	Prop. C	ed.c.auto.
Art. H.9		
284	Prop. A	acc.
Art. H.11		
241	Prop. A	rej.
Div. III		
052	Prop. A	acc.
285	Prop. B	rej.
286	Prop. C	acc.amend. ³⁸
287	Prop. D	acc.
288	Prop. E	withdrawn
432	Prop. F	acc.
290	Prop. G	acc.
127	Prop. H	acc.amend. ³⁹
128	Prop. I	rej.
129	Prop. J	rej.
130	Prop. K	rej.
193	Prop. L	acc.
220	Prop. M	acc.
289	Prop. N	acc.
131	Prop. O	withdrawn ⁴⁰
132	Prop. P	rej.
133	Prop. Q	rej.m.v.

(Continues)

Table 8. Continued.

Running number in Taxon	Proposal number in Synopsis order	Congress action	Running number in Taxon	Proposal number in Synopsis order	Congress action
134	Prop. R	rej.	294	Prop. DD	acc.
135	Prop. S	rej.	Glossary		
122	Prop. T	rej.	321	Prop. A	ed.c.auto. ⁴³
291	Prop. U	acc.amend. ⁴¹	322	Prop. B	ed.c.auto.
433	Prop. V	acc.	162	Prop. C	ed.c.auto.
161	Prop. W	acc.amend. ⁴²	397	Prop. D	ed.c.auto.
338	Prop. X	rej.m.v.	403	Prop. E	rej.auto. ⁴⁴
348	Prop. Y	rej.m.v.	050	Prop. F	ed.c.auto.
364	Prop. Z	rej.m.v.	005	Prop. G	rej.auto. ⁴⁵
292	Prop. AA	acc.	App. III and IV		
293	Prop. BB	acc.	194	Prop. A	acc.
295	Prop. CC	acc.			

Notes on Congress action

Numbers refer to the superscript numbers in Table 8.

- Art. 6 Prop. Q was amended to delete the first added phrase “(a) validly published in accordance with Art. 41 and”.
- Rec. 7A Prop. B was amended to delete the parenthetic phrase “(holotype, isotypes, and/or paratypes)”.
- Art. 8 Prop. J depended on acceptance of Art. 38 Prop. A, which was rejected.
- Art. 8 Prop. K depended on acceptance of Art. 9 Prop. K, which was rejected in the mail vote.
- After rejection of Rec. 8A Prop. D, a Special-purpose Committee on Types and Typification was established by a card vote (Table 6, card vote 1). The Committee’s mandate includes optionally considering any of the proposals in Art. 6, 7, 8, 9, 10, and 40 that were rejected by the Section.
- Art. 9 Prop. BBB was rejected, but the Editorial Committee was asked to examine the consistency of use of the verbs “effect” and “achieve” with respect to type designation.
- Art. 9 Prop. FFF was amended so that, instead of adding a new Note, the definitions of the terms are to be incorporated into the Glossary. Because the amended proposal concerned only a Glossary item, it was automatically referred to the Editorial Committee (Div. III Prov. 5.6).
- Rec. 9C Prop. A was amended to delete the phrase “In the case that a choice of holotype, lectotype, neotype, or epitype is based on web-sourced, digital images of specimens, the” and replacing “the type” with “a type”, so that the new Recommendation begins “Author(s) designating a type”.
- Art. 10 Prop. A was amended to reinstate the deleted word “citation”, so that the second sentence of Art. 10.1 begins “For purposes of designation, indication, or citation of a type”.
- Art. 10 Prop. B was accepted, but the Editorial Committee was asked to improve the term “subdivisional name” so that it clearly means the name of a subdivision of a genus, not the name of a taxon at the rank of subdivision (subphylum; see Art. 4.2).
- Art. 10 Prop. K was amended to add “automatically” before “the same” and to delete the final phrase “, unless a different type has definitely been designated for the species name”, so that the final clause reads “the type of the generic name is automatically the same as that of the species name.”
- Art. 14 Prop. B was amended to delete the phrase “and replacement names”.
- After rejection of Chapter II new Art. Prop. A, a Special-purpose Committee on Typeless Names and DNA Sequences as Types was established.
- Art. 20 Prop. D was amended to add the phrase shown in bold: “Submit the generic names or designations in Table 1B [see Wiersema & al., l.c.] **and any others at the discretion of the specialist committees** to the General Committee [...]”.
- Art. 22 Prop. B was amended to delete the phrase “as specified in Art. 52.2(a)–(d)” from the parenthetic clause in both paragraphs, to add “or conserved” after “previously designated” in the same clause in Art. 22.2, and to add “i.e. the holotype or all syntypes or the previously designated type or conserved type” to the same clause in Art. 26.2.
- Art. 23 Prop. G was amended to replace the phrase “it retains its spelling irrespective of the gender of the generic name” with “its termination is independent of the gender of the generic name”.
- Art. 30 Prop. B was amended to delete “or retracted” in the first sentence and to add the new Note of Prop. C at the end, minus the words “by its publisher”. The new Example of Prop. C was transferred to Prop. B.
- Art. 33 Prop. A was later reintroduced in an amended form as Floor Prop. 6, which was accepted.
- Art. 35 Prop. A was amended to convert the new sentence of Art. 35.2 to a new Note worded as follows: “*Note n.* As examples, this association can be achieved typographically by the position of the final epithet in the text, or by use of a symbol, or by the epithet agreeing with the gender of the generic name where the generic name changes in gender.”
- Art. 37 Prop. A was amended to delete the entire second sentence (starting with “If no statement is made”).
- Art. 40 Prop. B was amended to add the phrase shown in bold: “they should not be taken into account **for the purpose of Art. 40.1** and do not affect valid publication of the name.”
- Art. 40 Prop. E proposed two alternative wordings, with the phrase “a single type” or “a single element that is the type”; the second wording was accepted.
- Art. 41 Prop. H was amended to add “e.g.” at the end of the first clause (either before or after the word “by”) and in the final clause to replace “is not sufficient” with “is not by itself sufficient”.
- Art. 41 Prop. K depended on acceptance of Art. 41 Prop. J, which was rejected in the mail vote.

25. Art. 42 Prop. A was amended to add “and voluntary” after “retrospective” in the new Note 2. It was accepted, together with Rec. 42A (new) Prop. A, by a card vote (Table 6, card vote 2).
26. After rejection of Art. 45 Prop. A–D, a Special-purpose Committee on Naming Ambireginal Organisms was established.
27. Art. 48 Prop. A was amended so that, instead of the proposed changes to Art. 48.1 and 48.2, only the first part of Art. 48.2 was amended as follows (new text in bold): “For the purpose of Art. 48.1, exclusion **or inclusion** of a type means exclusion **or inclusion** of (a) [...]”.
28. Art. 51 Prop. C was amended so that the new Art. 51.2 reads as follows: “51.2. Art. 51.1 notwithstanding, a legitimate name of a new taxon or a replacement name published on or after 1 January 2026 may be rejected (under Art. 56.1) because it, or its epithet, is derogatory to a group of people.” Art. 56 Prop. A was amended to replace the added phrase “or that is regarded as culturally offensive or inappropriate (Art. 51.2)” with “or that is derogatory to a group of people (Art. 51.2)”. In addition, a Special-purpose Committee on Ethics in Nomenclature was established.
29. In the event that Art. 52 Prop. G was rejected, the proposer suggested that the Editorial Committee consider amending Art. 52 Ex. 12 (see Prop. 411, Wisnev in Taxon 72: 1182. 2023, <https://doi.org/10.1002/tax.13052>).
30. Art. 60 Prop. G was amended so that the added sentence in Art. 60.4 reads as follows: “Ligatures such as æ and œ are to be replaced by the separate letters.”
31. Although Art. 60 Prop. K was rejected as a voted Example, the Editorial Committee was asked to consider transferring the names to the normal Example of Art. 60 Prop. J.
32. Art. 60 Prop. Q was amended to replace the first sentence of the rephrased Art. 60.9 with following: “The original spelling (Art. 60.2) of a name or epithet is to be retained (Art. 60.1) if it resulted from the intentional latinization of a personal, geographical, or vernacular name.”
33. Art. 60 Prop. V was amended so that, instead of adding a new Article to Art. 60, the first clause of Art. 60.10 was amended as follows (new text in bold): “Adjectival epithets (**and substantival epithets that semantically serve as if they were adjectives**) that combine elements derived from two or more Greek or Latin words are to be compounded as follows:”
34. After rejection of Art. 60 Prop. W, the Editorial Committee was asked to delete from Art. 60 Ex. 40 and 41 the implicit rule that a given name and a surname (do not) stand independently because the former is (not) separately latinized.
35. Art. 60 Prop. Y was amended to convert the new Note to an Article. As the first item of business the next morning, a motion to reconsider Prop. Y was accepted, and this time the proposal was rejected.
36. Art. 61 Prop. G was accepted by a card vote (Table 6, card vote 4).
37. Chapter E (new) Prop. A was referred to the Special-purpose Committee on Ethics in Nomenclature.
38. Div. III Prop. C was amended to make further changes to Prov. 3.2 as follows (new text in bold, deleted text in strikethrough): “and provide relevant information regarding its **current** level of taxonomic activity (e.g. ~~number of~~ active staff, ~~size of~~ collections, ~~current~~ publications).” The proposal as amended was accepted by a card vote (Table 6, card vote 5).
39. Div. III Prop. H was amended to convert the new Provision to a Recommendation and to replace “are to be able to observe” with “should be able to observe”.
40. Div. III Prop. O was later reintroduced in an amended form as Floor Prop. 13, which was itself withdrawn.
41. Div. III Prop. U was amended to add “Chair and” before “Secretary of the Editorial Committee for this Code” in the new Prov. 7.4bis.
42. Div. III Prop. W was amended to add the following text at the end: “(the latter in consultation with the Nomenclature Committee for Fungi) following an open call for expressions of interest in serving on such a committee. Such Special-purpose Committees may be proposed to the General Committee by at least five people.”
43. It was suggested by two members of the Section (Karen Wilson and Carmen Ulloa Ulloa), and the Rapporteur-général agreed, that the Editorial Committee thoroughly review the Glossary to add missing terms, to ensure that the entries are clear to the “junior” members of the Committee and those members whose first language is not English, and to ensure correct translations of terms in non-English editions of the Code (when at least one of the translators is a member of the Editorial Committee).
44. Glossary Prop. E depended on acceptance of Art. 52 Prop. B and Art. 53 Prop. A, which were both rejected.
45. Glossary Prop. G depended on acceptance of Art. 8 Prop. A, which was rejected in the mail vote.

rejecting them (with a qualified majority – at least 60% – required to reject). Second, in accordance with the earlier acceptance of Div. III Prop. L, the Section unanimously voted to accept the recommendations (with a simple majority – more than 50% – required to accept). At future Congresses, the Section will be able to vote to approve the General Committee’s recommendations with a simple majority.

NOMINATING COMMITTEE REPORT

Also at its final session, the Section accepted the Nominating Committee’s slate of candidates for Rapporteur-général and the officers and members of the Permanent Nomenclature Committees for the period 2024–2029, as follows:

Rapporteur-général for the XXI International Botanical Congress, Cape Town, 2029

Nicholas J. Turland (Germany).

General Committee

Ordinary (elected) members: David J. Mabberley (Australia/United Kingdom, Chair), Karen L. Wilson (Australia, Secretary), Fred R. Barrie (U.S.A.), Vincent Demoulin (Belgium), Yun-Fei Deng (China), Laurence J. Dorr (U.S.A.), Kanchi N. Gandhi

(U.S.A.), Werner Greuter (Germany/Italy), David L. Hawksworth (United Kingdom), Martin J. Head (Canada), Valérie Malécot (France), Karol Marhold (Slovakia/Czechia), John McNeill (United Kingdom/Canada), Anna M. Monro (Australia), Hidetoshi Nagamasu (Japan), Jefferson Prado (Brazil), Carmen Ulloa Ulloa (U.S.A./Ecuador), David M. Williams (United Kingdom), Juan Carlos Zamora Señoret (Switzerland). — Ex-officio, voting members: Wendy L. Applequist (U.S.A., Committee for Vascular Plants), Mauricio Bonifacino (Uruguay, Secretary-general of IAPT), John Brinda (U.S.A., Committee for Bryophytes), Patrick S. Herendeen (U.S.A., Committee for Fossils), Wolf-Henning Kusber (Germany, Committee for Algae), Lúcia G. Lohmann (Brazil/U.S.A., President of IAPT), Tom W. May (Australia, Committee for Fungi), Nicholas J. Turland (Germany, Rapporteur-général), John H. Wiersema (U.S.A., Vice-rapporteur).

Editorial Committee

Nicholas J. Turland (Germany, Chair), John H. Wiersema (U.S.A., Secretary), Fred R. Barrie (U.S.A.), Kanchi N. Gandhi (U.S.A.), Julia Gravendyck (Germany), Werner Greuter (Germany/Italy), *David L. Hawksworth (United Kingdom), Patrick S. Herendeen (U.S.A.), Ronell R. Klopper (South Africa), Sandra Knapp (United Kingdom), Wolf-Henning Kusber (Germany), De-Zhu Li

(China), *Tom W. May (Australia), Anna M. Monro (Australia), Jefferson Prado (Brazil), Michelle J. Price (Switzerland), Gideon F. Smith (South Africa), Juan Carlos Zamora Señoret (Switzerland). * = Nominated by the Committee for Fungi.

Editorial Committee for Fungi

Elected by the XII International Mycological Congress in Maasricht, Netherlands, on 15 August 2024, in accordance with Div. III Prop. G, U, and BB, accepted by the Madrid Congress.

Tom W. May (Australia, Chair), Konstanze Bensch (Germany/Netherlands, Secretary), David L. Hawksworth (United Kingdom), Nicholas J. Turland (Germany, ex officio, Chair of the Editorial Committee), John H. Wiersema (U.S.A., ex officio, Secretary of the Editorial Committee), Juan Carlos Zamora Señoret (Switzerland).

Committee on Institutional Votes

Nicholas J. Turland (Germany, Chair), Carmen Ulloa Ulloa (U.S.A./Ecuador, Secretary), Zenia Acosta Ramos (Cuba), Adeyinka O. Adepoju (Liberia/Nigeria), Ana Paula Fortuna Perez (Brazil), Alina Freire-Fierro (Ecuador), Bin-Jie Ge (China), Boon-Chuan Ho (Singapore), Teresa Iturriaga (U.S.A./Venezuela), Josephine Milne (Australia), Iris Montero Muñoz (Spain), A. Muthama Muasya (South Africa), Jarosław Proćków (Poland).

Registration Committee

Mark F. Watson (United Kingdom, Chair), Shelley James (Australia, Secretary), Abubakar Bello (Nigeria), Mauricio Bonifacio (Uruguay), John Brinda (U.S.A.), Rocío Deanna (Finland/Argentina), Laurence J. Dorr (U.S.A.), Renée H. Fortunato (Argentina), Leandro L. Giacomini (Brazil), Quentin Groom (Belgium), Wolf-Henning Kusber (Germany), Jiří Kvaček (Czechia), Geoffrey A. Levin (U.S.A.), Sabine von Mering (Germany), Alan J. Paton (United Kingdom), Alexander N. Sennikov (Finland/Russia), Ozan Şentürk (Turkey/United Kingdom), Jordan K. Teisher (U.S.A.), Ran Wei (China), Emma Wrangmore (United Kingdom), Pilar Zamora-Tavares (Mexico).

Committee for Vascular Plants

Alexander N. Sennikov (Finland/Russia, Chair), Wendy L. Applequist (U.S.A., Secretary), Renée H. Fortunato (Argentina), Alina Freire-Fierro (Ecuador), Mats L. Hjertson (Sweden), Ronell R. Klopper (South Africa), Heidi Meudt (New Zealand), Sonia Molino (Spain), Tetsuo Ohi-Toma (Japan), Marco Octávio de Oliveira Pellegrini (United Kingdom/Brazil), Yohan Pillon (France), Melanie Schori (U.S.A.), Eric Schuettpelz (U.S.A.), Gustavo Shimizu (Brazil), Paramjit Singh (India), Robert Soreng (U.S.A.), Madeleen Struwig (South Africa), Somran Suddee (Thailand), Peter G. Wilson (Australia), Xiang-Yun Zhu (China).

Committee for Bryophytes

Michelle J. Price (Switzerland, Chair), John Brinda (U.S.A., Secretary), Paulo E.A.S. Câmara (Brazil), Ricardo Garilleti (Spain), Bernard Goffinet (U.S.A.), Boon-Chuan Ho (Singapore), Sanna M. Huttunen (Finland), Tomoyuki Katagiri (Japan), Niels Klazenga (Australia), Matthew von Konrat (U.S.A.), Catherine La Farge (Canada), Juan B. Larraín Benoit (Chile), Itambo Malombe (Kenya), Jacques van Rooy (South Africa), Lars Söderström (Norway), Phiangphak Sukkharak (Thailand), Nicholas Wilding (Réunion), Rui-Liang Zhu (China).

Committee for Fungi

Elected by the XII International Mycological Congress in Maasricht, Netherlands, on 15 August 2024, in accordance with Div. III Prov. 7.8.

Konstanze Bensch (Germany/Netherlands, Chair), Tom W. May (Australia, Co-secretary), James C. Lendemer (U.S.A., Co-secretary), Mounes Bakhshi (United Kingdom), Mika Bendiksby (Norway), Marcela Cáceres (Brazil), Cecile Gueidan (Australia), Teresa Iturriaga (U.S.A./Venezuela), Paul M. Kirk (United Kingdom), Roland Kirschner (Taiwan, China), Andrew M. Minnis (U.S.A.), James Mitchell (U.S.A.), Luis A. Parra Sánchez (Spain), Scott A. Redhead (Canada), Svengunnar Ryman (Sweden), Marco Thines (Germany), Ke Wang (China), Zhu-Liang Yang (China).

Committee for Algae

(Chair to be elected), Wolf-Henning Kusber (Germany, Secretary), Sung Min Boo (South Korea), Michelle T. Casanova (Australia), Valéria Cassano (Brazil), Giovanni Furnari (Italy), Michael D.R. Guiry (Ireland), Lucien Hoffmann (Luxembourg), Dmitry A. Kapustin (Russia), Jan Mareš (Czechia), Tatiana A. Mikhaylova (Russia), Øjvind Moestrup (Denmark), Eduardo Antonio Molinari-Novoa (Peru), Takashi Nakada (Japan), Francisco F. Pedroche (Mexico), Akshinthala K.S.K. Prasad (U.S.A.), Tanja M. Schuster (Austria), Zhong-Min Sun (China), Jonathan C. Taylor (South Africa).

Committee for Fossils

Jiří Kvaček (Czechia, Chair), Patrick S. Herendeen (U.S.A., Secretary), David J. Cantrill (Australia), Christopher J. Cleal (United Kingdom), Anne-Laure Decombeix (France), Robert A. Fensome (Canada), María Jimena Franco (Argentina), Julia Graveydyck (Germany), Michael Krings (Germany), Evelyn Kustatscher (Germany), Susana Magallón (Mexico), Stephen McLoughlin (Sweden), Serge V. Naugolnykh (Russia), Hendrik Nowak (United Kingdom), Elke Schneebeli-Hermann (Switzerland), Gong-Le Shi (China), Paula A. Sucerquia (Brazil), Toshihiro Yamada (Japan), Yong Yang (China).

The Nominating Committee also made a series of recommendations concerning best practice for committee service:

- A mechanism for regular rejuvenation of committees should be established, e.g. limiting the number of terms that members can serve consecutively in a single committee and/or having a minimum quota of new committee members for each Congress.
- To disperse responsibilities, workload, opportunities, and to ensure succession planning, no individual should serve as a regular, elected member on more than two committees at the same time.
- The Registration Committee should consist wholly of working members, and the requirement to have representatives from various societies/bodies (see Div. III Prov. 7.6) should be reconsidered. Societies/bodies could request inclusion of their representatives as regular, working committee members to take on specific roles/tasks.
- The Nomenclature Committee for Vascular Plants should consider the establishment of two or more taxon-based subcommittees to share the workload as well as to recruit more people willing to serve.
- The Special-purpose Committee on Ethics in Nomenclature should have significant representation from countries affected by colonization and exploitation to fully understand sentiments and priorities on the ground in these societies.

RESOLUTION

As its final item of business, the Section accepted a motion from the Rapporteur-général that the President and the Rapporteurs be instructed to present a resolution on behalf of the Nomenclature Section to the Resolutions Committee of the XX International Botanical Congress to the effect that the decisions and appointments of the Nomenclature Section be approved. The Congress accepted the following resolution at its closing ceremony (plenary session) on Saturday, 27 July 2024:

“The XX International Botanical Congress resolves that the decisions of its Nomenclature Section with respect to the *International Code of Nomenclature for algae, fungi, and plants*, as well as the appointment of the Rapporteur-général and officers and members of the Permanent Nomenclature Committees, made by that Section during its meetings on 15–19 July 2024, be accepted, noting with interest the successful live-streaming of the five days of deliberations to a global audience; the frank, open and respectful discussions about topics of community and societal interest; the establishment of a clear mechanism for voluntary registration of names and types of algae and plants; clarifications on the nomenclature of fossil-taxa and the removal of impediments to their typification; the establishment of several special-purpose committees, including one on issues of DNA sequences as types and one on ethics in nomenclature; the removal, starting today, of a significant set of names based on a racially offensive term; the creation, starting in 2026, of a mechanism for proposing rejection of new algal, fungal and plant names derogatory to groups of people; and the establishment of a voting mechanism that enshrines the equality of institutions no matter their size.”

As mentioned above, amendments to the *Code* became effective immediately upon acceptance of this resolution (27 July 2024, 16:10 Central European Summer Time, UTC + 02:00), not upon publication of this report nor upon publication of the *Madrid Code* expected in mid-2025. New and amended rules are retroactive to the starting-point for the relevant group of organisms (Art. 13), unless expressly limited. The following such limitations apply to the decisions made in Madrid:

On or after 1 January 2026

- The epithet in the name of a species published on or after 1 January 2026 must consist of at least two but not more than 30 characters (Floor Prop. 5 on Art. 23.2).

- For the name of a new fossil-species or infraspecific fossil-taxon published on or after 1 January 2026, the protologue must clearly indicate where the holotype specimen is located within the rock, sediment, or preparation (Art. 40 Prop. P).

- A legitimate name of a new taxon or a replacement name published on or after 1 January 2026 may be rejected (under Art. 56.1) because it, or its epithet, is derogatory to a group of people (Art. 51 Prop. C, Art. 56 Prop. A).

AUTHOR CONTRIBUTIONS

AMM and IA recorded the data at the Nomenclature Section and made it available to the authors of this report; NJT wrote the manuscript; all authors read and edited the manuscript.

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