

**Part 1:** **TITLE, AUTHORS, APPROVALS, etc**

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| **Code assigned:** | ***2023.010F*** |  |
| **Short title:** Abolish 19 species in the family *Phycodnaviridae* (*Algavirales*) and rename 14 species to binomial format |
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**Author(s) and email address(es)**

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**Corresponding author**

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**List the ICTV Study Group(s) that have seen this proposal.**

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| ICTV *Phycodnaviridae* Study Group |

**ICTV Study Group comments and response of proposer**

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**ICTV Study Group votes on proposal**

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| **Study Group** | **Number of members** |
| **Votes support** | **Votes against** | **No vote** |
| *Phycodnaviridae* | 5 | 0 | 0 |
|  |  |  |  |

**Authority to use the name of a living person**

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| **Is any taxon name used here derived from that of a living person (Y/N)** | Y |

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| **Taxon name** | **Person from whom the name is derived** | **Permission attached (Y/N)** |
| *Chlorovirus vanettenense* | James Van Etten | Y |
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**Submission dates**

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| Date first submitted to SC Chair | 06-28-2023 |
| Date of this revision (if different to above) | 10-22-2023 |

**ICTV-EC comments and response of the proposer**

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| Please be aware that taxa cannot be named to honor active members of the ICTV Study Groups and/or other ICTV CommitteesResponse:Dr James Van Etten accepted the initiative to name a species to honor his work and contribution to the field of phycodnavirids and graciously resigned from the service in the Phycodnaviridae Study Group (both letters enclosed and will be deposited in the ICTV Archives) |

**Part 2:** **NON-TAXONOMIC PROPOSAL**

**Text of proposal**

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**Part 3:** **TAXONOMIC PROPOSAL**

**Name of accompanying Excel module**

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| 2023.010F.v3.Phycodnaviridae\_abolish19sp\_spren.xlsx |

**Abstract**

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| In order to comply with recently adopted binomial system for species nomenclature, here we propose to rename 14 species currently classified in six genera in the family *Phycodnaviridae*. Furthermore, we propose to abolish 19 currently listed species in the family because of lack of sufficient data that would support their current classification.  |

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| **Text of proposal**

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| Following multiannual debate and consultations (1) and the Ratification Vote held in March 2021, the ICTV approved universal adoption of binomial format for species names across the framework of virus taxonomy (2). According to the ratified original proposal “*2018.001G.R.binomial\_species*”, starting from 2021, all new species names must be named following new guidelines, while three year period was proposed for full-scale implementation for already recognized species. This process is envisioned for completion in 2023. Briefly, new rules indicate: "A species name shall consist of only two distinct word components separated by a space. The first word component shall begin with a capital letter and be identical in spelling to the name of the genus to which the species belongs. The second word component shall not contain any suffixes specific for taxa of higher ranks. The entire species name (both word components) shall be italicized."Therefore, the new standards require renaming most of already recognized species as they do not follow binomial format. Over the past two years, the new nomenclature was already applied to approximately 80% of current species (3). Therefore, in this document we propose renaming 14 species belonging to the family *Phycodnaviridae* to fit new standards.Furthermore, to advance phycodnavirus taxonomy, we propose to abolish 19 species currently listed in the ICTV Master Species List MSL 38v2 (<https://ictv.global/msl>) because of insufficiently characterized member viruses. Species to abolish are: 1. *Paramecium bursaria Chlorella virus AL1A* (no seq in GenBank)
2. *Paramecium bursaria Chlorella virus AL2A* (no seq in GenBank)
3. *Paramecium bursaria Chlorella virus BJ2C* (no seq in GenBank)
4. *Paramecium bursaria Chlorella virus CA4A* (no seq in GenBank)
5. *Paramecium bursaria Chlorella virus CA4B* (no seq in GenBank)
6. *Paramecium bursaria Chlorella virus NC1A* (no seq in GenBank)
7. *Paramecium bursaria Chlorella virus NE8A* (no seq in GenBank)
8. *Paramecium bursaria Chlorella virus SC1A* no seq in GenBank)
9. *Paramecium bursaria Chlorella virus XY6E* (no seq in GenBank)
10. *Paramecium bursaria Chlorella virus XZ3A* (no seq in GenBank)
11. *Paramecium bursaria Chlorella virus XZ4A* (no seq in GenBank)
12. *Paramecium bursaria Chlorella virus XZ4C* (noseq in GenBank)
13. *Hydra viridis Chlorella virus 1* (no seq in GenBank)
14. *Ectocarpus siliculosus virus a* (no seq in GenBank)
15. *Ectocarpus fasciculatus virus a* (no seq in GenBank)
16. *Feldmannia species virus a* (no seq in GenBank)
17. *Hincksia hinckiae virus a* (no seq in GenBank)
18. *Myriotrichia clavaeformis virus a* (no seq in GenBank)
19. *Pilayella littoralis virus 1* (no seq in GenBank)

Taking in consideration some recently acquired knowledge of many additional viruses, we think that elimination of poorly characterized species will represent a solid basis for future taxonomic update and reorganization of this family and related viruses.  |

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**Supporting evidence**

**References**

1. Siddell SG, Walker PJ, Lefkowitz EJ, Mushegian AR, Dutilh BE, Harrach B, Harrison RL, Junglen S, Knowles NJ, Kropinski AM,Krupovic M, Kuhn JH, Nibert ML, Rubino L, Sabanadzovic S, Simmonds P, Varsani A, Zerbini FM, Davison AJ (2020) Binomial nomenclature for virus species: a consultation. Arch Virol 165:519–525. DOI: [10.1007/s00705-019-04477-6](https://doi.org/10.1007/s00705-019-04477-6), PMID: 31797129
2. Walker PJ, Siddell SG, Lefkowitz EJ, Mushegian AR, Adriaenssens EM, Alfenas-Zerbini P, Davison AJ, Dempsey DM, Dutilh BE, Garcia ML, Harrach B, Harrison RL, Hendrickson RC, Junglen S, Knowles NJ, Krupovic M, Kuhn JH, Lambert AJ, Lobocka M, Nibert ML, Oksanen HM, Orton RJ, Robertson DL, Rubino L, Sabanadzovic S, Simmonds P, Smith DB, Suzuki N, Van Dooerslaer K, Vandamme AM, Varsani A, Zerbini FM (2021) Changes to virus taxonomy and to the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2021). Arch Virol 166:2633–2648. DOI: [10.1007/s00705-021-05156-1](https://doi.org/10.1007/s00705-021-05156-1), PMID: 34231026
3. Zerbini FM, Siddell SG, Lefkowitz EJ, Mushegian AR, Adriaenssens EM, Alfenas-Zerbini P, Dempsey DM, Dutilh BE, García ML, Hendrickson RC, Junglen S, Krupovic M, Kuhn JH, Lambert AJ, Łobocka M, Oksanen HM, Robertson DL, Rubino L, Sabanadzovic S, Simmonds P, Smith DB, Suzuki N, Van Doorslaer K, Vandamme AM, Varsani A (2023) Changes to virus taxonomy and the ICTV Statutes ratified by the International Committee on Taxonomy of Viruses (2023). Arch Virol 168:175 DOI: [10.1007/s00705-023-05797-4](file:///Users/ss501/Downloads/ICTV%20Fungal%20and%20Protist%20Viruses%20Subcommittee%20Announcement%20of%20the%202023%20Taxonomic%20Proposal%20Season/10.1007/s00705-023-05797-4), PMID: 37296227