

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

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| **Code assigned:** | **2023.024P** |  |
| **Short title:** Rename all species in family *Nanoviridae* to comply with binomial species format | | |
|  | | |

**Author(s) and email address(es)**

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**Author(s) institutional address(es) (optional)**

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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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| *Nanoviridae* SG |

**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** |
| *Nanoviridae* | 10/12 | 0/12 | 2/12 |
|  |  |  |  |

**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)** | N |

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| **Taxon name** | **Person from whom the name is derived** | **Permission attached (Y/N)** |
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**Submission dates**

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| Date first submitted to SC Chair | 19th June 2023 |
| Date of this revision (if different to above) |  |

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

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**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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| 2023.024P.A.v1\_Nanoviridae\_rename\_sp.xlsx |

**Abstract**

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| This proposal considers new names for all species of the family *Nanoviridae* following the ICTV request to change all established species names to a binomial format. |

**Text of proposal**

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| |  | | --- | | In March 2021, the ICTV ratified TaxoProp 2018.001G.R.binomial\_species, which requires all species names to follow a new codified rule:  "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."  In order to comply with the mandated binomial species naming format [1], we have renamed the current species (n=14) in the family *Nanoviridae* using binomial nomenclature with a combination of Latinized and freeform epithet.  In most cases, the epithets are Latin names of major host species or genus, or Latinized hybrid names derived from host genus and species. In some cases we used contraction of Latinized genus and symptom names.  See Table 1 and accompanying Excel module. | |

**Supporting evidence**

Table 1: Summary of the proposed binomial names and notes associated with the epithets.

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| **Proposed binomial species name** | **Current species name** | **Exemplar accession #** | **Epithet notes** |
| *Babuvirus abacae* | *Abaca bunchy top virus* | DNA-C: EF546812; DNA-M: EF546811; DNA-N: EF546808; DNA-R: EF546813; DNA-S: EF546810; DNA-U3: EF546809 | Genitive of the host common name |
| *Babuvirus musae* | *Banana bunchy top virus* | DNA-C: L41578; DNA-M: L41575; DNA-N: L41577; DNA-R: S56276; DNA-S: L41574; DNA-U3: L41576 | Genitive of the host genus name *Musa* |
| *Babuvirus cardamomi* | *Cardamom bushy dwarf virus* | DNA-C: KF711227; DNA-M: KF711064; DNA-N: KF711390; DNA-R: KF710575; DNA-S: KF710901; DNA-U3: KF710738 | Genitive of the host species epithet *cardamomum* |
| *Nanovirus medicagonis* | *Black medic leaf roll virus* | DNA-C: KC978960; DNA-M: KC978961; DNA-N: KC978962; DNA-R: KC978958; DNA-S: KC978959; DNA-U1: KC978963; DNA-U2: KC978964; DNA-U4: KC978965 | Genitive of the host genus name *Medicago* |
| *Nanovirus viciacraccae* | *Cow vetch latent virus* | DNA-C: MF535447; DNA-M: MF535448; DNA-N: MF535449; DNA-R: MF535450; DNA-S: MF535451; DNA-U1: MF535452; DNA-U2: MF535453; DNA-U4: MF535454 | contraction of the host scientific name |
| *Nanovirus necropumiliviciae* | *Faba bean necrotic stunt virus* | DNA-C: GQ150780; DNA-M: GQ150781; DNA-N: GQ150782; DNA-R: GQ150778; DNA-S: GQ150779; DNA-U1: GQ150783; DNA-U2: GQ150784; DNA-U4: GQ150785 | contraction of the host genus name, pumilius (dwarf/stunt) and *necrosis* |
| *Nanovirus necroflaviviciae* | *Faba bean necrotic yellows virus* | DNA-C: AJ132179; DNA-M: AJ132182; DNA-N: AJ132186; DNA-R: AJ132180; DNA-S: AJ132183; DNA-U1: AJ132181; DNA-U2: AJ132184; DNA-U4: AJ749902 | contraction of the host genus name, *flavus* (yellow) and *necrosis* |
| *Nanovirus flaviviciae* | *Faba bean yellow leaf virus* | DNA-C: HE654126; DNA-M: HE654125; DNA-N: HE654127; DNA-R: HE654123; DNA-S: HE654124; DNA-U1: HE654128; DNA-U2: HE654129; DNA-U4: HE654130 | contraction of the host genus name and *flavus* (yellow) |
| *Nanovirus astragali* | *Milk vetch dwarf virus* | DNA-C: AB000923; DNA-M: AB000927; DNA-N: AB000925; DNA-R: AB027511; DNA-S: AB009046; DNA-U1: AB000924; DNA-U2: AB000926; DNA-U4: AB255373 | Genitive of the host genus name *Astragalus* |
| *Nanovirus petroselini* | *Parsley severe stunt associated virus* | DNA-C: MK039128; DNA-M: MK039129; DNA-N: MK039130; DNA-R: MK039132; DNA-S: MK039133; DNA-U1: MK039134; DNA-U2: MK039135 | Genitive of the host genus name *Petroselinum* |
| *Nanovirus necropisi* | *Pea necrotic yellow dwarf virus* | DNA-C: JN133280; DNA-M: JN133281; DNA-N: JN133282; DNA-R: GU553134; DNA-S: JN133279; DNA-U1: JN133283; DNA-U2: JN133284; DNA-U4: JN133285 | contraction of the host genus name and *necrosis* |
| *Nanovirus flavipisi* | *Pea yellow stunt virus* | DNA-C: KC979056; DNA-M: KC979057; DNA-N: KC979058; DNA-R: KC979054; DNA-S: KC979055; DNA-U1: KC979062; DNA-U2: KC979059; DNA-U4: KC979061 | contraction of the host genus name and *flavus* (yellow) |
| *Nanovirus sophorae* | *Sophora yellow stunt virus* | DNA-C: MH048843; DNA-M: MH048844; DNA-N: MH048846; DNA-R: MH048845; DNA-S: MH048842; DNA-U1: MH048847; DNA-U2: MH048848; DNA-U4: MH048849 | Genitive of the host genus name *Sophora* |
| *Nanovirus trifolii* | *Subterranean clover stunt virus* | DNA-C: MK035730; DNA-M: MK035731; DNA-N: MK035732; DNA-R: MK035728; DNA-S: MK035729; DNA-U1: MK035733; DNA-U2: MK035734; DNA-U4: MK035735 | Genitive of the host genus name *Trifolium* |

**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. PMID: 31797129; DOI: 10.1007/s00705-019-04477-6.