

Validation of the Publication of New Names and New Combinations Previously Effectively Published Outside the IJSB

List No. 40†

The purpose of this announcement is to effect the valid publication of the following new names and new combinations under the procedure described previously [Int. J. Syst. Bacteriol. 27(3):iv, 1977]. Authors and other individuals wishing to have new names and/or combinations included in future lists should send the pertinent reprint or a photocopy thereof to the IJSB (c/o ASM) for confirmation that all of the other requirements for valid publication have been met. It should be noted that the date of valid publication of these new names and combinations is the date of publication of this list, not the date of the original publication of the names and combinations. The authors of the new names and combinations are as given below, and these authors' names will be included in the author index of the present issue and in the volume author index in this issue of the IJSB.

Inclusion of a name on these lists validates the name and thereby makes it available in bacteriological nomenclature. The inclusion of a name on this list is not to be construed as taxonomic acceptance of the taxon to which the name is applied. Indeed, some of these names may, in time, be shown to be synonyms, or the organisms may be transferred to another genus, thus necessitating the creation of a new combination.

Name	Proposed as:	Author(s) (reference)	Priority ^a	Nomenclatural type ^b
<i>Acetivibrio multivorans</i>	New species	Tanaka et al. (11)	1	Strain PeC1 (= ATCC 49731 = DSM 6139)
<i>Acetonema</i>	New genus	Kane and Breznak (7)	4	<i>Acetonema longum</i>
<i>Acetonema longum</i>	New species	Kane and Breznak (7)	4	Strain APO-1 (= DSM 6540)
<i>Aeromonas jandaei</i>	New species	Carnahan et al. (3)	2	Strain CDC 0787-80 (= ATCC 49568)
<i>Aeromonas trota</i>	New species	Carnahan et al. (2)	2	Strain AH2 (= ATCC 49657)
<i>Bifidobacterium saeculare</i>	New species	Biavati et al. (1)	7	Strain RA161 (= ATCC 49392)
<i>Clostridium mayombeii</i>	New species	Kane et al. (6)	4	Strain SFC-5 (= DSM 6539)
<i>Enterococcus sulfureus</i>	New species	Martinez-Murcia and Collins (9)	5	Strain MUTK 31 (= NCDO 2379)
<i>Leuconostoc fallax</i>	New species	Martinez-Murcia and Collins (8)	5	DSM 20189
<i>Magnetospirillum</i>	New genus	Schleifer et al. (10)	7	<i>Magnetospirillum gryphiswaldense</i>
<i>Magnetospirillum gryphiswaldense</i>	New species	Schleifer et al. (10)	7	Strain MSR-1 (= DSM 6361)
<i>Magnetospirillum magnetotacticum</i> (basonym: <i>Aquaspirillum magnetotacticum</i>)	New combination	Schleifer et al. (10)	7	Strain MS-1 (= ATCC 31632 = DSM 3856)
<i>Microtetraspora tyrrhenii</i>	New species	Tomita et al. (12)	6	Strain Q464-31 (= ATCC 53931)
<i>Rhodoferax</i>	New genus	Hiraishi et al. (4)	3	<i>Rhodoferax fermentans</i>
<i>Rhodoferax fermentans</i>	New species	Hiraishi et al. (4)	3	Strain FR2 (= JCM 7819 = ATCC 49787)
<i>Sulfolobus metallicus</i>	New species	Huber and Stetter (5)	7	Strain Kra 23 (= DSM 6482)

† Lists 1 through 39 were published in the Int. J. Syst. Bacteriol. 27:306, 1977; 29:79, 436, 1979; 30:601, 676, 1980; 31:215, 382, 1981; 32:266, 384, 1982; 33:438, 672, 896, 1983; 34:91, 270, 355, 503, 1984; 35:223, 375, 535, 1985; 36:354, 489, 573, 1986; 37:179, 1987; 38:136, 220, 328, 449, 1988; 39:93, 205, 371, 495, 1989; 40:105, 212, 320, 470, 1990; and 41:178, 331, 456, 580, 1991.

^a Priority number assigned according to the date the documentation and request for validation are received.

^b Abbreviations: ATCC, American Type Culture collection, Rockville, MD.; DSM, Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH, Braunschweig, Germany; JCM, Japan Collection of Microorganisms, Riken, Saitama, Japan; NCDO (National Collection of Dairy Organisms), AFRC Institute of Food Research, National Collection of Food Bacteria, Shinfield, Reading, Berkshire, United Kingdom.

REFERENCES

1. Biavati, B., P. Mattarelli, and F. Crociani. 1991. *Bifidobacterium saeculare*: a new species isolated from feces of rabbit. Syst. Appl. Microbiol. 14:389–392.
2. Carnahan, A., T. Chakrabarty, G. R. Fanning, D. Verma, A. Ali, J. M. Janda, and S. W. Joseph. 1991. *Aeromonas trota* sp. nov., an ampicillin-susceptible species isolated from clinical specimens. J. Clin. Microbiol. 29:1206–1210.
3. Carnahan, A., G. R. Fanning, and S. W. Joseph. 1991. *Aeromonas jandaei* (formerly genospecies DNA group 9 *A. sobria*), a new sucrose-negative species isolated from clinical specimens. J. Clin. Microbiol. 29:560–564.
4. Hiraishi, A., Y. Hoshino, and T. Satoh. 1991. *Rhodoferax fermentans* gen. nov., sp. nov., a phototrophic purple nonsulfur bacterium previously referred to as the “*Rhodocyclus gelatino-* *sus-like*” group. Arch. Microbiol. 155:330–336.
5. Huber, G., and K. O. Stetter. 1991. *Sulfolobus metallicus*, sp. nov., a novel strictly chemolithoautotrophic thermophilic archaeal species of metal-mobilizers. Syst. Appl. Microbiol. 14:372–378.
6. Kane, M. D., A. Brauman, and J. A. Breznak. 1991. *Clostridium mayombeii* sp. nov., an H₂/CO₂ acetogenic bacterium from the gut of the African soil-feeding termite, *Cubitermes speciosus*. Arch. Microbiol. 156:99–104.
7. Kane, M. D., and J. A. Breznak. 1991. *Acetonema longum* gen. nov. sp. nov., an H₂/CO₂ acetogenic bacterium from the termite, *Pterotermes occidentis*. Arch. Microbiol. 156:91–98.
8. Martinez-Murcia, A. J., and M. D. Collins. 1991. A phylogenetic analysis of an atypical leuconostoc: description of *Leuconostoc fallax* sp. nov. FEMS Microbiol. Lett. 82:55–60.

9. **Martinez-Murcia, A. J., and M. D. Collins.** 1991. *Enterococcus sulfureus*, a new yellow-pigmented *Enterococcus* species. FEMS Microbiol. Lett. **80**:69-74.
10. **Schleifer, K. H., D. Schüler, S. Spring, M. Weizenegger, R. Amann, W. Ludwig, and M. Köhler.** 1991. The genus *Magnetospirillum* gen. nov. description of *Magnetospirillum gryphiswaldense* sp. nov. and transfer of *Aquaspirillum magnetotacticum* to *Magnetospirillum magnetotacticum* comb. nov. Syst. Appl. Microbiol. **14**:379-385.
11. **Tanaka, K., K. Nakamura, and E. Mikami.** 1991. Fermentation of cinnamate by a mesophilic strict anaerobe, *Acetivibrio multivorans* sp. nov. Arch. Microbiol. **155**:120-124.
12. **Tomita, K., N. Oda, Y. Hoshino, N. Ohkusa, and H. Chikazawa.** 1991. Fluvirucins A₁, A₂, B₁, B₂, B₃, B₄ and B₅, new antibiotics active against influenza A virus. IV. Taxonomy on the producing organism. J. Antibiot. **44**:940-948.

Notification that New Names and New Combinations Have Appeared in the IJSB^a

Name	Proposed as:	Author(s)	IJSB reference description
<i>Stygiolobus</i>	gen. nov.	Segerer et al.	41 (4):497
<i>Stygiolobus azoricus</i>	sp. nov.	Segerer et al.	41 (4):497
<i>Actinobispora</i>	gen. nov.	Jiang et al.	41 (4):527
<i>Actinobispora yunnanensis</i>	sp. nov.	Jiang et al.	41 (4):527
<i>Photobacterium damsela</i> (basonym: <i>Listonella damsela</i>)	comb. nov., emend.	Smith et al.	41 (4):533
<i>Streptococcus crista</i>	sp. nov.	Handley et al.	41 (4):546
<i>Methanohalophilus halophilus</i> (basonym: <i>Methanococcus halophilus</i>)	comb. nov.	Wilharm et al.	41 (4):561
<i>Arsenophonus</i>	gen. nov.	Gherna et al.	41 (4):564
<i>Arsenophonus nasoniae</i>	sp. nov.	Gherna et al.	41 (4):564
<i>Buchnera</i>	gen. nov.	Munson et al.	41 (4):566
<i>Buchnera aphidicola</i>	sp. nov.	Munson et al.	41 (4):567

^a This listing of names published in a previous issue of IJSB is provided as a service to bacteriology to assist in the recognition of new names and descriptions. This procedure was proposed by the Judicial Commission [Minute 11 (ii), Int. J. Syst. Bacteriol. **41**:185, 1991]. The names given herein have priority according to the issue of the IJSB in which they were published.