

Validation List no. 104

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Validation of publication of new names and new combinations previously effectively published outside the IJSEM

The purpose of this announcement is to effect the valid publication of the following new names and new combinations under the procedure described in the *Bacteriological Code* (1990 Revision). Authors and other individuals wishing to have new names and/or combinations included in future lists should send **three copies of the pertinent reprint or photocopies thereof to the IJSEM Editorial Office** for confirmation that all of the other requirements for valid publication have been met. **It is also a requirement of IJSEM and the ICSP that authors of new species, new subspecies and new combinations provide evidence that types are deposited in two recognized culture collections in two different countries** (i.e. documents certifying deposition and availability of type strains). 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. Inclusion of a name on these lists validates the publication of 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/author(s)	Proposed as:	Nomenclatural type*	Priority†	Reference
<i>Alkaliflexus</i> Zhilina <i>et al.</i> 2005	gen. nov.	<i>Alkaliflexus imshenetskii</i> Zhilina <i>et al.</i> 2005	5	10
<i>Alkaliflexus imshenetskii</i> Zhilina <i>et al.</i> 2005	sp. nov.	Strain Z-7010 (=DSM 15055 =VKM B-2311)	5	10
<i>Alysiella crassa</i> (Schmid 1922) Xie and Yokota 2005 [basonym <i>Simonsiella crassa</i> Schmid 1922 (Approved Lists 1980)]	comb. nov.	Strain IAM 14969 (=ATCC 15533)	8	9
<i>Bergeriella</i> Xie and Yokota 2005	gen. nov.	<i>Bergeriella denitrificans</i> (Berger 1962) Xie and Yokota 2005	8	9
<i>Bergeriella denitrificans</i> (Berger 1962) Xie and Yokota 2005 [basonym <i>Neisseria denitrificans</i> Berger 1962 (Approved Lists 1980)]	comb. nov.	Strain ATCC 14686 (=CCUG 2155)‡	8	9
<i>Cellulomonas denverensis</i> Brown <i>et al.</i> 2005	sp. nov.	Strain W6929 (=ATCC BAA-788 =DSM 15764)	6	1
<i>Conchiformibius</i> corrig. Xie and Yokota 2005 [Conchiformibium (<i>sic</i>)]§	gen. nov.	<i>Conchiformibius steedae</i> corrig. (Kuhn and Gregory 1979) Xie and Yokota 2005	8	9
<i>Conchiformibius kuhniae</i> corrig. Xie and Yokota 2005 [Conchiformibium (<i>sic</i>) <i>kuhniae</i>]§	sp. nov.	Strain IAM 15037 (=ATCC 29437)	8	9
<i>Conchiformibius steedae</i> corrig. (Kuhn and Gregory 1979) Xie and Yokota 2005 [Conchiformibium (<i>sic</i>) <i>steedae</i>]§ [basonym <i>Simonsiella steedae</i> Kuhn and Gregory 1979 (Approved Lists 1980)]	comb. nov.	Strain IAM 14972 (=ATCC 27409)	8	9
<i>Enterobacter cloacae</i> subsp. <i>cloacae</i> (Jordan 1890) Hormaeche and Edwards 1960	subsp. nov.¶	Strain ATCC 13047 (=CIP 60.85 =DSM 30054 =JCM 1232 =LMG 2783)	4	2

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Name/author(s)	Proposed as:	Nomenclatural type*	Priority†	Reference
<i>Enterobacter cloacae</i> subsp. <i>dissolvens</i> (Rosen 1922) Hoffmann <i>et al.</i> 2005 [basonym <i>Erwinia dissolvens</i> (Rosen 1922) Burkholder 1948 (Approved Lists 1980)]	comb. nov.	Strain ATCC 23373 (=CIP 105586=JCM 6049=LMG 2683)	4	2
<i>Enterobacter radicincitans</i> Kämpfer <i>et al.</i> 2005	sp. nov.	Strain D5/23 (=DSM 16656=CIP 108468)	3	5
<i>Meiothermus timidus</i> Pires <i>et al.</i> 2005	sp. nov.	Strain SPS-243 (=LMG 22897=CIP 108604)	2	7
<i>Nocardia anaemiae</i> Kageyama <i>et al.</i> 2005	sp. nov.	Strain IFM 0323 (=NBRC 100462=JCM 12396=DSM 44821)	7	4
<i>Thioalkalivibrio thiocyanodenitrificans</i> corrig. Sorokin <i>et al.</i> 2005 [<i>Thialkalivibrio (sic) thiocyanodenitrificans</i>]#	sp. nov.	Strain ArhD 1 (=UNIQEM U226=DSM 16954)**	1	8
<i>Wautersia numazuensis</i> corrig. Kageyama <i>et al.</i> 2005 [<i>Wautersia numadzuensis (sic)</i>]††	sp. nov.	Strain TE26 (=NBRC 100056=DSM 15562)	9	3
<i>Xenorhabdus budapestensis</i> Lengyel <i>et al.</i> 2005	sp. nov.	Strain DSM 16342 (=NCIMB 14016)	10	6
<i>Xenorhabdus ehlersii</i> Lengyel <i>et al.</i> 2005	sp. nov.	Strain DSM 16337 (=NCIMB 14018)	10	6
<i>Xenorhabdus innexi</i> Lengyel <i>et al.</i> 2005	sp. nov.	Strain DSM 16336 (=NCIMB 14017)	10	6
<i>Xenorhabdus szentirmaii</i> Lengyel <i>et al.</i> 2005	sp. nov.	Strain DSM 16338 (=NCIMB 14019)	10	6

For references to Validation Lists 1–71, see *Int J Syst Bacteriol* **49** (1999) 1325. Lists 72–103 were published in *Int J Syst Evol Microbiol* **50** (2000) 3, 423, 949, 1415, 1699, 1953; and **51** (2001) 1, 263, 793, 1229, 1619, 1945; and **52** (2002) 3, 685, 1075, 1437, 1915; and **53** (2003) 1, 373, 627, 935, 1219, 1701; and **54** (2004) 1, 307, 631, 1005, 1425, 1909; and **55** (2005) 1, 547, 983.

*Abbreviations: ATCC, American Type Culture Collection, Manassas, VA, USA; CCUG, Culture Collection, University of Göteborg, Göteborg, Sweden; CIP, Collection of the Institute Pasteur, Paris, France; DSM, DSMZ – Deutsche Sammlung von Mikroorganismen und Zellkulturen, Braunschweig, Germany; IAM, Institute of Molecular and Cellular Biosciences, University of Tokyo, Tokyo, Japan; IFM, Research Center for Pathogenic Fungi and Microbial Toxicoses, Chiba University, Chiba, Japan; JCM, Japan Collection of Microorganisms, RIKEN, Saitama, Japan; LMG, LMG Culture Collection, Universiteit Gent, Gent, Belgium; NBRC, NITE Biological Resource Center, National Institute of Technology and Evaluation, Kisarazu-shi, Chiba Pref., Japan; NCIMB, National Collection of Industrial and Marine Bacteria, Aberdeen, UK; UNIQEM, Unique and Extremophilic Microorganisms Collection of Winogradsky Institute of Microbiology RAS, Moscow, Russia. VKM, All-Union Collection of Microorganisms, Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences, Pushchino, Moscow Region, Russia.

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

‡The culture collection accession number NCTC 10295 is also cited in the effective publication, but the authors did not provide a certificate of deposition from this collection.

§The name of the genus has been corrected on validation. According to Rule 65(2) *Conchiformibius* corrig. is in the masculine gender.

||In the effective publication the basonym is erroneously cited as *Simonsiella steedae* Kuhn and Gregory 1978 (*sic*) (Approved Lists 1980).

¶In the effective publication, *Enterobacter cloacae* subsp. *cloacae* is erroneously proposed as a new combination.

#The name of the genus has been corrected on validation.

**In the effective publication the type strain UNIQEM U226 is cited as UNIQEM 226. The culture collection accession number DSM 16954 has been provided on request for validation.

††Epithet has been corrected on validation according to Rule 61 of the *Bacteriological Code* (1990 Revision).

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- sp. nov., *Xenorhabdus ehlersii* sp. nov., *Xenorhabdus innexi* sp. nov., and *Xenorhabdus szentirmaii* sp. nov. *Syst Appl Microbiol* **28**, 115–122.
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