

VALIDATION LIST NO. 83

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 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 IJSEM Editorial Office** 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. 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*	Nomenclatural type†
<i>Methylomicrobium buryatense</i>	sp. nov.	Kaluzhnaya <i>et al.</i> (1)	1	Strain 5B (= VKM B-2245)
<i>Nitrosomonas aestuarii</i>	sp. nov.	Koops <i>et al.</i> (2)	2	Strain Nm 36‡
<i>Nitrosomonas communis</i>	sp. nov.	Koops <i>et al.</i> (2)	2	Strain Nm 2‡
<i>Nitrosomonas eutropha</i>	sp. nov.	Koops <i>et al.</i> (2)	2	Strain Nm 57‡
<i>Nitrosomonas halophila</i>	sp. nov.	Koops <i>et al.</i> (2)	2	Strain Nm 1‡
<i>Nitrosomonas marina</i>	sp. nov.	Koops <i>et al.</i> (2)	2	Strain Nm 90‡
<i>Nitrosomonas nitrosa</i>	sp. nov.	Koops <i>et al.</i> (2)	2	Strain Nm 45‡
<i>Nitrosomonas oligotropha</i>	sp. nov.	Koops <i>et al.</i> (2)	2	Strain Nm 46‡
<i>Nitrosomonas ureae</i>	sp. nov.	Koops <i>et al.</i> (2)	2	Strain Nm 10‡

For references to Validation Lists 1–71, see *Int J Syst Bacteriol* **49** (1999) 1325. Lists 72–82 were published in *Int J Syst Evol Microbiol* **50** (2000) 3, 423, 949, 1415, 1699, 1953 and **51** (2001) 1, 263, 793, 1229, 1619.

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

† Abbreviations: VKM, All-Union Collection of Microorganisms, Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences, Pushchino, Moscow Region, Russia.

‡ Deposited at the culture collection of the Institut für allgemeine Botanik, Mikrobiologische Abteilung, Universität Hamburg, Germany.

References

1. Kaluzhnaya, M., Khmelenina, V., Eshinimaev, B., Suzina, N., Nikitin, D., Solonin, A., Lin, J.-L., McDonald, I., Murrell, C. & Trotsenko, Y. (2001). Taxonomic characterization of new alkaliphilic and alkalitolerant methanotrophs from soda lakes of the Southeastern Transbaikal region and description of *Methylomicrobium buryatense* sp. nov. *Syst Appl Microbiol* **24**, 166–176.
2. Koops, H.-P., Böttcher, B., Möller, U. C., Pommerening-Röser, A. & Stehr, G. (1991). Classification of eight new species of ammonia-oxidizing bacteria: *Nitrosomonas communis* sp. nov., *Nitrosomonas ureae* sp. nov., *Nitrosomonas aestuarii* sp. nov., *Nitrosomonas marina* sp. nov., *Nitrosomonas nitrosa* sp. nov., *Nitrosomonas eutropha* sp. nov., *Nitrosomonas oligotropha* sp. nov. and *Nitrosomonas halophila* sp. nov. *J Gen Microbiol* **137**, 1689–1699.