

Current text	Proposed new text	Comments
APPENDIX 4. CONSERVED AND REJECTED NAMES OF PROKARYOTIC TAXA (Nomina taxorum conservanda et rejicienda)	APPENDIX 4. CONSERVED AND REJECTED NAMES OF PROKARYOTIC TAXA (Nomina taxorum conservanda et rejicienda)	Updated to Opinion 102 issued in 2020.
<p>List 1. <i>Conserved and rejected family names.</i></p> <p>List 2. <i>Conserved names of genera of bacteria.</i></p> <p>List 3. <i>Conserved specific epithets in names of species of prokaryotes.</i></p> <p>List 4. <i>Rejected names of genera and subgenera of prokaryotes.</i></p> <p>List 5. <i>Rejected specific and subspecific epithets in names of species and subspecies of prokaryotes.</i></p>	<p>List 1. <i>Family names conserved and rejected by the Judicial Commission of the International Committee on Bacteriological Nomenclature.</i></p> <p>List 2. <i>Names of genera of bacteria conserved by the Judicial Commission of the International Committee on Bacteriological Nomenclature.</i></p> <p>List 3. <i>Specific epithets in names of species of prokaryotes, conserved by the Judicial Commission of the International Committee on Bacteriological Nomenclature.</i></p> <p>List 4. <i>Names of classes of prokaryotes rejected by the Judicial Commission of the International Committee on Bacteriological Nomenclature.</i></p> <p>List 5. <i>Names of orders of prokaryotes rejected by the Judicial Commission of the International Committee on Bacteriological Nomenclature.</i></p> <p>List 6. <i>Names of genera and subgenera of prokaryotes rejected by the Judicial Commission of the International Committee on Bacteriological Nomenclature.</i></p> <p>List 7. <i>Specific and subspecific epithets in names of species and subspecies of prokaryotes rejected by the Judicial</i></p>	For the rejected names, the Editorial Board changed the order of the tables, from the higher ranks to the lower ranks, as done before for the conserved names.

<p>The citations are (unless otherwise indicated) to the volumes, pages, and dates of the <i>International Bulletin of Bacteriological Nomenclature and Taxonomy</i> up to vol. 15 (1965). From vol. 16 (1966) through vol. 49 (1999) the citations are for the <i>International Journal of Systematic Bacteriology</i> and thereafter of the <i>International Journal of Systematic and Evolutionary Microbiology</i>.</p>	<p>Commission of the International Committee on Bacteriological Nomenclature.</p> <p>The citations are (unless otherwise indicated) to the volumes, pages, and dates of the <i>International Bulletin of Bacteriological Nomenclature and Taxonomy</i> until vol. 15 (1965). From vol. 16 (1966) through vol. 49 (1999) the citations are for the <i>International Journal of Systematic Bacteriology</i> and thereafter of the <i>International Journal of Systematic and Evolutionary Microbiology</i>.</p>	
<p>List 1. <i>Conserved and rejected family names (nomina familiarum conservanda et rejicienda)</i></p>	<p>List 1. <i>Conserved and rejected family names (nomina familiarum conservanda et rejicienda)</i></p>	
<p>List 2. <i>Conserved names of genera of prokaryotes (nomina generum conservanda)</i></p>	<p>List 2. <i>Conserved names of genera of prokaryotes (nomina generum conservanda)</i></p>	
<p>List 3. <i>Conserved specific epithets in names of species of prokaryotes (epitheta specifica conservanda)</i></p>	<p>List 3. <i>Conserved specific epithets in names of species of prokaryotes (epitheta specifica conservanda)</i></p>	
<p>List 4. <i>Rejected names of genera and subgenera of prokaryotes (nomina generum et subgenerum rejicienda)</i></p>	<p>List 4. <i>Rejected names of classes of prokaryotes (nomina classium rejicienda)</i></p>	
<p>FOOTNOTE: 1. This opinion was reconsidered in 2014 by Opinion 75 Supplementary (64:3597–3598) and <i>Methanotherix</i> Huser et al. 1983 is not to be considered as a rejected name.</p>		
<p>List 5. <i>Rejected specific and subspecific epithets in names of species and subspecies of prokaryotes (epitheta specifica et subspecifica rejicienda)</i></p>	<p>List 5. <i>Rejected names of orders of prokaryotes (nomina ordinum rejicienda)</i></p>	

FOOTNOTE 2. This opinion was reconsidered in 2014 by Opinion 75 Supplementary (64:3597–3598) and <i>Methanotherix soehngeni</i> Huser et al. 1983 is not to be considered as a rejected name.		
List 6. Rejected names of classes of prokaryotes (<i>nomina classis</i> rejicienda)	List 6. Rejected names of genera and subgenera of prokaryotes (<i>nomina generum et subgenerum</i> rejicienda)	
	FOOTNOTE: 1. This opinion was reconsidered in 2014 by Opinion 75 Supplementary (64:3597–3598) and <i>Methanotherix</i> Huser et al. 1983 is not to be considered as a rejected name.	
List 7. Rejected names of orders of prokaryotes (<i>nomina ordo</i> rejicienda)	List 7. Rejected specific and subspecific epithets in names of species and subspecies of prokaryotes (<i>epitheta specifica et subspecifica</i> rejicienda)	
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List 1. Conserved and rejected family names of prokaryotes (*nomina familiarum conservanda et rejicienda*)

Conserved name (<i>nomen conservandum</i>)	Name of type genus of conserved family	Rejected name (<i>nomen rejiciendum</i>)	Opinion no.	Citations
<i>Enterobacteriaceae</i>	<i>Escherichia</i> Castellani and Chalmers 1919, p. 841	<i>Bacteriaceae</i> (see Opinion 4,4:142 [1954])	15	8:73–74 (1958) 32:464–465 (1982) 35:272–273 (1985) 36:577–578 (1986)

List 2. Conserved names of genera of prokaryotes (*nomina generum conservanda*)

Conserved generic names (<i>nomina generum conservanda</i>)	Name of type species of conserved genus	Opinion no.	Citations
<i>Aeromonas</i> Stanier 1943	<i>Aeromonas hydrophila</i> (Chester 1901) Stanier 1943	48	23 :473–474 (1973)
<i>Agrobacterium</i> Conn 1942	<i>Agrobacterium tumefaciens</i> (Smith and Townsend 1907) Conn 1942	33	20 :10 (1970)
<i>Arthrobacter</i> Conn and Dimmick 1947	<i>Arthrobacter globiformis</i> (Conn 1928) Conn and Dimmick 1947	24	8 :171–172 (1958)
<i>Bacillus</i> Cohn 1872	<i>Bacillus subtilis</i> Cohn 1872	A. (1936)	Proc. 2nd Internatl. Congr. Microbiol. London, 1936; <i>Journal of Bacteriology</i> , 33 :445 (1937); <i>International Code of Nomenclature of Bacteria and Viruses</i> (1958), p. 148
<i>Beggiatoa</i> Trevisan 1842	<i>Beggiatoa alba</i> (Vaucher 1803) Trevisan 1845, <i>Oscillatoria alba</i> Vaucher 1803	13	4 :151–156 (1954)
<i>Chlorobacterium</i> Lauterborn 1916	<i>Chlorobacterium symbioticum</i> Lauterborn 1916	6	4 :143 (1954)
<i>Chromobacterium</i> Bergonzini 1880	<i>Chromobacterium violaceum</i> Bergonzini 1880	16	8 :151–152 (1958)
<i>Enterobacter</i> Hormaeche and Edwards 1960	<i>Enterobacter cloacae</i> (Jordan 1890) Hormaeche and Edwards 1960	28	13 :38 (1963)
<i>Escherichia</i> Castellani and Chalmers 1919	<i>Escherichia coli</i> (Migula 1895) Castellani and Chalmers 1919 (basonym <i>Bacillus coli</i> Migula 1895, hyponym <i>Bacterium coli commune</i> Escherich 1885)	15	8 :73–74 (1958)
<i>Gallionella</i> Ehrenberg 1838	<i>Gallionella ferruginea</i> Ehrenberg 1838	9	4 :146–147 (1954)
<i>Klebsiella</i> Trevisan 1885	<i>Klebsiella pneumoniae</i> (Schroeter 1886) Trevisan 1887 (<i>Bacterium pneumoniae-crouposae</i> Zopf 1885)	13	4 :151–156 (1954)

<i>Kurthia</i> Trevisan 1885	<i>Kurthia zopfii</i> (Kurth 1883) Trevisan 1885 (<i>Bacterium zopfii</i> Kurth 1883)	13	4:151–156 (1954)
<i>Lactobacillus</i> Beijerinck 1901	<i>Lactobacillus delbrueckii</i> Beijerinck 1901 (<i>non Lactobacillus caucasicus</i> Beijerinck 1901)	38	21:104 (1971)
<i>Leptotrichia</i> Trevisan 1879	<i>Leptotrichia buccalis</i> (Robin 1853) Trevisan 1879 (<i>Leptothrix buccalis</i> Robin 1853)	13	4:151–156 (1954)
<i>Listeria</i> Pirie 1940	<i>Listeria monocytogenes</i> (Murray, Webb, and Swann 1926) Pirie 1940 (<i>Bacterium monocytogenes</i> Murray et al. 1926)	12	4:150–151 (1954)
<i>Methanococcus</i> (Approved Lists 1980) emend. Mah and Kuhn 1984	<i>Methanococcus vannielii</i> Stadtman and Barker 1951 (Approved Lists 1980)	62	36: 91 (1986)
<i>Methanosarcina</i> (Approved Lists 1980) emend. Mah and Kuhn 1984	<i>Methanosarcina barkeri</i> (Approved Lists 1980) emend. Mah and Kuhn 1984	63	36:492 (1986)
<i>Moraxella</i> Lwoff 1939	<i>Moraxella lacunata</i> (Eyre 1900) Lwoff 1939	41	21:106 (1971)
<i>Mycoplasma</i> Nowak 1929	<i>Mycoplasma mycoides</i> (Borrel et al. 1910) Freundt 1955	22	8:166–168 (1958)
<i>Neisseria</i> Trevisan 1885	<i>Neisseria gonorrhoeae</i> (Zopf 1885) Trevisan 1885 (<i>Merismopedia gonorrhoeae</i> Zopf 1885)	13	4:151–156 (1954)
<i>Nitrobacter</i> Winogradsky 1892	<i>Nitrobacter winogradskyi</i> Winslow et al. 1917	23	8:169–170 (1958)
<i>Nitrosococcus</i> Winogradsky 1892	<i>Nitrosococcus nitrosus</i> (Migula 1900) Buchanan 1925	23	8:169–170 (1958)
<i>Nitrosomonas</i> Winogradsky 1892	<i>Nitrosomonas europaea</i> Winogradsky 1892	23	8:169–170 (1958)
<i>Nocardia</i> Trevisan 1889	<i>Nocardia asteroides</i> (Eppinger 1891) Blanchard 1896 (replacing <i>Nocardia farcinica</i> Trevisan 1889)	13	3:87–100 (1953)
		58	3:141–154 (1953)
			4:151–156 (1954)
			35:538 (1985)

<i>Pasteurella</i> Trevisan 1887	<i>Pasteurella multocida</i> (Lehmann and Neumann 1899) Rosenbusch and Marchant 1939 (replacing <i>Pasteurella choleraegallinarum</i> Trevisan 1887)	13 58	4:151–156 (1954) 35:538 (1985)
<i>Pediococcus</i> Claussen 1903	<i>Pediococcus damnosus</i> Claussen 1903	52	26:292 (1976)
<i>Pseudomonas</i> Migula 1894	<i>Pseudomonas aeruginosa</i> (Schroeter 1872) Migula 1900 (<i>Bacterium aeruginosum</i> Schroeter 1872)	5	2:121–122 (1952)
<i>Rhizobium</i> Frank 1889	<i>Rhizobium leguminosarum</i> (Frank 1879) Frank 1889 (<i>Schinzia leguminosarum</i> Frank 1879)	34	20:11–12 (1970)
<i>Rickettsia</i> da Rocha-Lima 1916	<i>Rickettsia prowazekii</i> da Rocha-Lima 1916	19	8:158–159 (1958)
<i>Rhodopseudomonas</i> Czurda and Maresch emend. van Niel 1944	<i>Rhodopseudomonas palustris</i> (Molisch 1907) van Niel 1944 (<i>Rhodobacillus palustris</i> Molisch 1907)	49	24:551 (1974)
<i>Selenomonas</i> von Prowazek 1913	<i>Selenomonas sputigena</i> (Flügge 1886) Boskamp 1922 (basonym <i>Spirillum sputigenum</i> Flügge 1886)	21	8:163–165 (1958)
<i>Staphylococcus</i> Rosenbach 1884	<i>Staphylococcus aureus</i> Rosenbach 1884	17	8:153–154 (1958)
<i>Vibrio</i> Pacini 1854	<i>Vibrio cholerae</i> Pacini 1854	31	15:185–186 (1965)

List 3. Conserved specific epithets in names of species of prokaryotes (*epitheta specifica conservanda*)

Conserved specific epithets (<i>epitheta specifica conservanda</i>)	Name of species in which specific epithet is conserved	Opinion no.	Citations
<i>acidilactici</i>	<i>Pediococcus acidilactici</i> Lindner 1887	68	46:835 (1996)
<i>agalactiae</i>	<i>Streptococcus agalactiae</i> Lehmann and Neumann 1896 (<i>Streptococcus agalactiae contagiosae</i> Kitt 1893)	8	4:145–146 (1954)
<i>avium</i>	<i>Mycobacterium avium</i> Chester 1901	47	23:472 (1973)

<i>botulinum</i>	<i>Clostridium botulinum</i> (van Ermengem 1896) Bergey <i>et al.</i> 1923	69	49:339 (1999)
<i>boydii</i>	<i>Shigella boydii</i> Ewing 1949	11	4:148–150 (1954)
<i>cholerae</i>	<i>Vibrio cholerae</i> Pacini 1854	31	15:185–186 (1965)
<i>enterica</i>	<i>Salmonella enterica</i> (ex Kauffmann and Edwards 1952) Le Minor and Popoff 1987	80	55:519–520 (2005)
<i>faecalis</i>	<i>Streptococcus faecalis</i> Andrewes and Horder 1906	30	13:167 (1963)
<i>fermentum</i>	<i>Lactobacillus fermentum</i> Beijerinck 1901	50	24:551–552 (1974)
<i>flexneri</i>	<i>Shigella flexneri</i> Castellani and Chalmers 1919 (<i>Bacillus dysenteriae</i> Flexner 1900)	11	4:148–150 (1954)
<i>forsythia</i>	<i>Tannerella forsythia</i> (Tanner <i>et al.</i> 1986) Sakamoto <i>et al.</i> 2002	85	58:1974 (2011)
<i>fortuitum</i>	<i>Mycobacterium fortuitum</i> da Costa Cruz 1938	51	24:552 (1974)
<i>meningitidis</i>	The meningococcus (<i>Diplococcus intracellularis meningitides</i> Weichselbaum 1887)	35	20:13–14 (1970)
<i>pestis</i>	<i>Yersinia pestis</i> (Lehmann and Neumann 1899) van Loghem 1944	60	35:540 (1985)
<i>phenylpyruvica</i>	<i>Moraxella phenylpyruvica</i> Bøvre and Henriksen 1967	42	21:107 (1971)
<i>prowazekii</i>	<i>Rickettsia prowazekii</i> da Rocha-Lima 1916	19	8:158–159 (1958)
<i>ramosa</i>	<i>Pasteuria ramosa</i> Metchnikoff 1888 emend. Starr <i>et al.</i> 1983	61	36:119 (1986)
<i>rhusiopathiae</i>	<i>Erysipelothrix rhusiopathiae</i> (Migula 1900) Buchanan 1918	32	20:9 (1970)
<i>sonnei</i>	<i>Shigella sonnei</i> (Levine 1920) Weldin 1927 (<i>Bacterium sonnei</i> Levine 1920)	11	4:148–150 (1954)
<i>sphaeroides</i>	<i>Rhodopseudomonas sphaeroides</i> van Niel 1944	43	21:108 (1971)
<i>sporogenes</i>	<i>Clostridium sporogenes</i> (Mechnikoff 1908) Bergey <i>et al.</i> 1923	69	49:339 (1999)
<i>typhi</i>	<i>Salmonella typhi</i> (Schroeter 1886) Warren and Scott 1930 (<i>Bacillus typhi</i> Schroeter 1886)	18	13:31–33 (1963) see also 8:155–156 (1958)

List 4. Rejected names of classes of prokaryotes (nomina *classium* rejicienda)

Rejected class names (nomina <i>classium</i> rejicienda)	Opinion no.	Citations
<i>Acidobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)

<i>Alphabacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Arabobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Archaeoglobea</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Arthrobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Chlamydiae</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Chlorobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Chlorobea</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Chromatibacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Chroobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Crenarchaeota</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Deltabacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Epsilobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Ferrobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Flavobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Gloeobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Hadobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Halomebacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Hormogoneae</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Methanothermea</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Picrophileia</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Planctomycea</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Protoarchaea</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Spirochaetes</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Streptomyces</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Teichobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Togobacteria</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)

List 5. Rejected names of orders of prokaryotes (*nomina ordinum rejicienda*)

Rejected order names (<i>nomina ordinum rejicienda</i>)	Opinion no.	Citations
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<i>Acidobacteriales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Actinoplanales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Cenarchaeales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Chroococcales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Geovibriales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Gloeobacterales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Nostocales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Oscillatoriales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Picrophilales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Pleurocapsales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Stigonematales</i> (ex Geitler 1925) Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)
<i>Streptomycetales</i> Cavalier-Smith 2002	79 (suppl.)	64:3599–3602 (2014)

List 6. *Rejected names of genera and subgenera of prokaryotes nomina generum et subgenerum rejicienda*)

Rejected generic or subgeneric names (<i>nomina generum et subgenerum rejicienda</i>)	Names of type species of rejected genera or subgenera	Notes	Opinion no.	Citations
<i>Aerobacter</i> Beijerinck 1900	<i>Aerobacter aerogenes</i> (Kruse 1896) Beijerinck 1900	<i>Nomen ambiguum</i>	46	21:110 (1971)
<i>Astasia</i> Meyer 1897	<i>Astasia asterospora</i> Meyer 1897	Later homonym of <i>Astasia</i> Ehrenberg 1830 (Protozoa)	14	4:156–158 (1954)
<i>Astasia</i> Pribram 1929	None designated . No species listed.	Later homonym of protozoan generic name <i>Astasia</i> Ehrenberg 1830	14	4:156–158 (1954)
<i>Babesia</i> Trevisan 1889	<i>Babesia xanthopyrethica</i> (sic) Trevisan 1880 (<i>Streptococcus xanthopyreticus</i> Trevisan 1887)	The later homonym <i>Babesia</i> Starcovici 1893 is in common use	13	4:151–156 (1954)

		as the name of a protozoan genus. <i>Nomen confusum</i>		
<i>Bacteriopsis</i> Trevisan 1885 (subgenus)	<i>Bacteriopsis rasmussenii</i> Trevisan 1885 (<i>Leptothrix</i> I Rasmussen 1883)	<i>Nomen confusum</i>	13	4:151–156 (1954)
<i>Bacterium</i> Ehrenberg 1828	<i>Bacterium triloculare</i> Ehrenberg 1828	<i>Nomen dubium</i>	4 (revised)	4:142 (1954) see also 1:145–146 (1951) and 3:141–154 (1953)
<i>Billetia</i> Trevisan 1889	<i>Billetia laminariae</i> (Billet 1888) Trevisan 1889 (<i>Bacterium laminariae</i> Billet 1888)	<i>Nomen dubium</i>	13	4:151–156 (1954)
<i>Castellanella</i> Pacheco and Rodrigues 1930	<i>Castellanella alcaescens</i> (Andrewes 1918) Pacheco and Rodrigues 1930 (<i>Bacillus alcaescens</i> Andrewes 1918)	Illegitimate later homonym of <i>Castellanella</i> Chalmers 1918 (Protozoa)	14	4:156–158 (1954)
<i>Cenomesia</i> Trevisan 1889	<i>Cenomesia albida</i> Trevisan 1889	<i>Nomen dubium</i>	13	4:151–156 (1954)
<i>Chlorobacterium</i> Guillebeau 1890	<i>Chlorobacterium lactis</i> Guillebeau 1890		6	4:143 (1954)
<i>Chromobacterium</i> Bergonzini 1879	None designated		16	8:151–152 (1958)
<i>Cloaca</i> Castellani and Chalmers 1919	<i>Cloaca cloacae</i> (Jordan 1890) Castellani and Chalmers 1919		28	13:38 (1963)
<i>Coccomonas</i> Orla- Jensen 1921	None designated. No species included.	Later illegitimate homonym of <i>Coccomonas</i> Stein 1878 (Protozoa)	14	4:156–158 (1954)
<i>Cornilia</i> Trevisan 1889	<i>Cornilia alvei</i> (Cheshire and Cheyne 1885) Trevisan 1889 (<i>Bacillus alvei</i> Cheshire and Cheyne 1885)		13	4:151–156 (1954)
<i>Dicoccia</i> Trevisan 1889	<i>Dicoccia glossophila</i> Trevisan 1889		13	4:151–156 (1954)

<i>Eucornilia</i> Trevisan 1889 (subgenus)	<i>Cornilia (Eucornilia) alvei</i> (Cheshire and Cheyne 1885) Trevisan 1889 (<i>Bacillus alvei</i> Cheshire and Cheyne 1885)		13	4:151–156 (1954)
<i>Eumantegazzaea</i> Trevisan 1889 (subgenus)	<i>Mantegazzaea (Eumantegazzaea) cienkowskii</i> Trevisan 1889	<i>Nomen dubium</i>	13	4:151–156 (1954)
<i>Eupacinia</i> Trevisan 1889 (subgenus)	<i>Pacinia (Eupacinia) putrifica</i> (Flügge 1886) Trevisan 1889 (<i>Bacillus putrificus coli</i> Flügge 1886)	<i>Nomen confusum</i>	13	4:151–156 (1954)
<i>Euspirillum</i> Trevisan 1889 (subgenus)	<i>Spirillum (Euspirillum) undula</i> (Mueller 1873) Ehrenberg 1830 (<i>Vibrio undula</i> Mueller 1773)		13	4:151–156 (1954)
<i>Gaffkya</i> Trevisan 1885	<i>Gaffkya tetragena</i> (Gaffky 1881) Trevisan 1885		39	21:104–105 (1971)
<i>Herellea</i> De Bord 1942	<i>Herellea vaginicola</i> De Bord 1942		40	21:105–106 (1971)
<i>Leptotrichiella</i> Trevisan 1889 (subgenus)	<i>Leptotrichia (Leptotrichiella) amphibola</i> Trevisan 1889	<i>Nomen dubium</i>	13	4:151–156 (1954)
<i>Listerella</i> Pirie 1927	<i>Listerella hepatolytica</i> Pirie 1927 (<i>Bacterium monocytogenes</i> Murray et al. 1926)	Illegitimate later homonym of <i>Listerella</i> Jahn 1906 (Myxomycetes)	14	4:156–158 (1954)
<i>Mantegazzaea</i> Trevisan 1879	<i>Mantegazzaea cienkowskii</i> Trevisan 1879	<i>Nomen dubium</i>	13	4:151–156 (1954)
<i>Methanothrix</i> Huser et al. 1983	<i>Methanothrix soehngeni</i> Huser et al. 1983 ¹	<i>Nomen confusum</i> (type species)	75	58:1753–1754 (2008)
<i>Mima</i> De Bord 1939, 1942	<i>Mima polymorpha</i> De Bord 1939, 1942		40	21:105–106 (1971)
<i>Nitromonas</i> Winogradsky 1890	None designated		23	8:169–170 (1958)

<i>Nitromonas</i> Orland-Jensen 1909	None designated		23	8:169–170 (1958)
<i>Octopsis</i> Trevisan 1885	<i>Octopsis cholerae-gallinarum</i> Trevisan 1885 (<i>Micrococcus cholerae-gallinarum</i> Zopf 1885)		13	4:151–156 (1954)
<i>Palmula</i> Prévot 1938	<i>Palmula spermoides</i> Prévot 1938	Illegitimate later homonym of <i>Palmula</i> Lea 1833 (Protozoa)	14	4:156–158 (1954)
<i>Pelczaria</i> Poston 1994	<i>Pelczaria aurantia</i> Poston 1994		78	55:515 (2005)
<i>Perroncitoa</i> Trevisan 1889	<i>Perroncitoa scarlatinosa</i> (Trevisan 1879) Trevisan 1889 (<i>Micrococcus scarlatinosus</i> Trevisan 1879)	<i>Nomen dubium</i>	13	4:151–156 (1954)
<i>Pfeifferella</i> Buchanan 1918	<i>Pfeifferella mallei</i> (Zopf 1885) Buchanan 1918 (<i>Bacillus mallei</i> Zopf 1885)	Illegitimate later homonym of <i>Pfeifferella</i> Labbé 1899 (Protozoa)	14	4:156–158 (1954)
<i>Phytomonas</i> Bergey et al. 1923	<i>Phytomonas campestris</i> (Pammel 1895) Bergey et al. 1923 (<i>Bacillus campestris</i> Pammel 1895)	Illegitimate later homonym of <i>Phytomonas</i> Donovan 1909 (Protozoa)	14	4:156–158 (1954)
<i>Pleurospora</i> Trevisan 1889 (subgenus)	<i>Cornilia (Pleurospora) tremula</i> (Koch 1877) Trevisan 1889 (<i>Bacillus tremulus</i> Koch 1877)	<i>Nomen dubium</i>	13	4:151–156 (1954)
<i>Polymonas</i> Lieske 1928	<i>Polymonas tumefaciens</i> (Smith and Townsend 1907) Lieske 1928 (<i>Bacterium tumefaciens</i> Smith and Townsend 1907)		33	20:10 (1970)
<i>Pseudospira</i> Trevisan 1889 (subgenus)	<i>Pacina (Pseudospira) choleraeasiaticae</i> Trevisan 1889		13	4:151–156 (1954)
<i>Pseudospirillum</i> Trevisan 1889 (subgenus)	<i>Spirillum (Pseudospirillum) amphibolum</i> Trevisan 1889	<i>Nomen dubium</i>	13	4:151–156 (1954)

<i>Rhizomonas</i> Orla-Jensen 1909 <i>Rhizomonas</i> (van Bruggen <i>et al.</i> 1990)	None designated. No species included	Later homonym of <i>Rhizomonas</i> Kent 1880 (Protozoa) Reaffirmed by Judicial Commission 1999	14	4:156–158 (1954) 50:2242 (2000)
<i>Rhodosphaera</i> Buchanan 1918	<i>Rhodosphaera capsulata</i> (Molisch 1907) Buchanan 1918 (<i>Rhodococcus capsulatus</i> Molisch 1907)	Later homonym of <i>Rhodosphaera</i> Haeckel 1881 (Protozoa)	14	4:156–158 (1954)

¹This opinion was reconsidered in 2014 by Opinion 75 Supplementary (64:3597–3598) and *Methanothrix* Huser *et al.* 1983 is not to be considered as a rejected name.

List 7. Rejected specific and subspecific epithets in names of species and subspecies of prokaryotes (*epitheta specifica et subspecifica rejicienda*)

Rejected specific and subspecific epithets (<i>epitheta specifica et subspecifica rejicienda</i>)	Name of species in which specific or subspecific epithet is rejected	Opinion no.	Citations
<i>anaerobius</i>	<i>Peptococcus anaerobius</i> (Hamm 1912) Douglas 1957	56	32:468 (1982)
<i>aquae</i>	<i>Mycobacterium aquae</i> Jenkins <i>et al.</i> 1972	55	32:467 (1982)
<i>aurantia</i>	<i>Pelczaria aurantia</i> Poston 1994	78	55:515 (2005)
<i>caucasicus</i>	<i>Lactobacillus caucasicus</i> Beijerinck 1901	38	21:104 (1971)
<i>citrovorum</i>	<i>Leuconostoc citrovorum</i> (Hammer 1920) Hucker and Pederson 1931	45	21:109–110 (1971)
<i>denitrificans</i>	<i>Pseudomonas denitrificans</i> (Christensen 1903) Bergey <i>et al.</i> 1923	54	32:466 (1982)
<i>diversus</i>	<i>Citrobacter diversus</i> (Burkey 1928) Werkman and Gillen 1932	67	43:392 (1993)
<i>gallicida</i>	<i>Pasteurella gallicida</i> (Burrill 1883) Buchanan 1925	58	35:538 (1985)
<i>liquefaciens</i>	<i>Aerobacter liquefaciens</i> Beijerinck 1901	48	23:473–474 (1973)
<i>marianum</i>	<i>Mycobacterium marianum</i> Penso 1953	53	28:334 (1978)
<i>methanica</i>	<i>Methanosarcina methanica</i> (Smit 1930) Kluyver and van Niel 1936 (Approved Lists 1980)	63	36:492 (1986)

<i>pestis</i>	<i>Yersinia pseudotuberculosis</i> subsp. <i>pestis</i> (van Loghem 1944) Bercovier et al. 1981	60	35 :540 (1985)
<i>polymorpha</i>	<i>Mima polymorpha</i> (De Bord 1939), De Bord 1942	40	21 :105–106 (1971)
<i>putrificum</i>	<i>Clostridium putrificum</i> (Trevisan 1889) Reddish and Rettger 1922	69	49 :339 (1999)
<i>soehnganii</i>	<i>Methanothrix soehnganii</i> Huser et al. 1983 ²	75	58 :1753–1754 (2008)
<i>thermophila</i>	<i>Methanothrix thermophila</i> Kamagata et al. 1992	75 (suppl.)	64 :3597–3598 (2014)
<i>vaginicola</i>	<i>Herellea vaginicola</i> De Bord 1942	40	21 :105–106 (1971)
<i>variabilis</i>	<i>Halomonas variabilis</i> (Fendrich 1989)	93	64 :3588–3589 (2014)

²This opinion was reconsidered in 2014 by Opinion 75 Supplementary (64:3597–3598) and *Methanothrix soehnganii* Huser et al. 1983 is not to be considered as a rejected name.