

# Register list for 3 new names including *Mangrovimarina plasticivorans* sp. nov.

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Table 1: Complete list of names proposed in the current register list.

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus <i>Mangrovimarina</i>	[Man.gro.vi.ma.ri'na] N.L. neut. n. <i>mangrovum</i> , a mangrove; L. fem. adj. <i>marina</i> , marine; N.L. fem. n. <i>Mangrovimarina</i> , referring to an organism found in mangrove soils with seawater impact	A genus established on the basis of MiGA taxonomic novelty analyses, AAI, dDDH, and phylogenomic analyses and is classified as a member of the <i>Rhizobiaceae</i> family. The type species of the genus is <i>Mangrovimarina plasticivorans</i> .	<i>Rhizobiaceae</i>	<i>Mangrovimarina plasticivorans</i> <sup>Ts</sup>	<a href="https://seqco.de/i:44056">seqco.de/i:44056</a>
Species <i>Mangrovimarina plasticivorans</i> <sup>Ts</sup>	[plas.ti.ci.vo'rans] N.L. neut. n. <i>plasticum</i> , plastic; L. pres. part. <i>vorans</i> , devouring, destroying; N.L. part. adj. <i>plasticivorans</i> , plastic-devouring referring to ability of organism to catabolize the plastic	A species established on the basis of MiGA taxonomic novelty analyses, ANI, AAI, phylogenomic tree, and the type material is the genome MAG11A_P8. The MAG was reconstructed from PET-transforming bacterial consortium and encoded for two putative monohydroxyethyl terephthalate hydrolases. In addition, genes involved in PET-monomers catabolism were found within the genome.	<i>Mangrovimarina</i>	NCBI Assembly: GCA_963966365.1 <sup>Ts</sup>	<a href="https://seqco.de/i:44055">seqco.de/i:44055</a>
Species <i>Kaistia cartagenensis</i>	[car.ta.ge.nen'sis] N.L. fem. adj. <i>cartagenensis</i> , pertaining to Cartagena de Indias, the city close to Baru Island, where the mangrove soil samples were collected	A species established on the basis of MiGA taxonomic novelty analyses, ANI, AAI, 16S rRNA gene phylogenetic reconstruction, phylogenomic tree, and the type material is the genome MAG11_P8. The MAG was reconstructed from PET-transforming bacterial consortium and encoded for a putative PET hydrolase. In addition, genes involved in PET-monomers catabolism were found within the MAG.	<i>Kaistia</i>	NCBI Assembly: GCA_963966455.1 <sup>Ts</sup>	<a href="https://seqco.de/i:43934">seqco.de/i:43934</a>