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Article in *Ukrainian Botanical Journal* · February 2022

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***Wilketalia* S.Y.Kondr., a new name for *Andina* Wilk, Pabijan & Lücking, nom. illeg. (*Teloschistaceae*, lichenized *Ascomycota*)**

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Abstract. A new generic name, *Wilketalia* S.Y.Kondr. (nom. nov.; *Teloschistaceae*, lichenized *Ascomycota*), is published to replace the name *Andina* Wilk, Pabijan & Lücking (nom. illeg.), which is an illegitimate later homonym of *Andina* J.A.Jiménez & M.J.Cano (*Pottiaceae*, *Bryophyta*) and *Andinia* (Luer) Luer (*Orchidaceae*). A new species-rank combination *Wilketalia citrinoides* (Wilk & Lücking) S.Y.Kondr. (*Andina citrinoides* Wilk & Lücking) is also validated. Brief nomenclatural comments are provided.

Keywords: *Andina*, homonymy, new name, nomenclature, taxonomy, *Teloschistaceae*, *Wilketalia*

Article history. Submitted 25 January 2022. Revised 16 February 2022. Published 27 February 2022

Citation. Kondratyuk S.Y., Mosyakin S.L. 2022. *Wilketalia* S.Y.Kondr., a new name for *Andina* Wilk, Pabijan & Lücking, nom. illeg. (*Teloschistaceae*, lichenized *Ascomycota*). *Ukrainian Botanical Journal*, 79(1): 3–5.

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Introduction

A monotypic South American genus *Andina* Wilk, Pabijan & Lücking (*Teloschistaceae*, lichenized *Ascomycota*) with one currently known species, *Andina citrinoides* Wilk & Lücking, was recently described by Wilk et al. (2021) as a result of the molecular phylogenetic studies and partial revision of South American representatives of *Teloschistaceae*. However, this generic name is illegitimate because it is a later homonym of two earlier generic names.

Nomenclatural comments

The name *Andinia* (Luer) Luer (see Luer, 2000: 5) was validated in volume 20 of the *Icones Pleurothallidarum* series for a South American genus of *Orchidaceae*. It is a nomenclatural combination based on *Salpistele* Dressler subgen. *Andinia* Luer (see Luer, 1991: 124). Originally Luer (2000) included in that genus just two species, *Andinia dielsii* (Mansf.) Luer (l.c., 2000: 6; the type of the genus) and *A. pensilis* (Schltr.) Luer (l.c., 2000: 6). Now, following further research (Pridgeon, Chase, 2001;

Wilson et al., 2017, etc.), the circumscription of the genus was extended and currently it includes ca. 75 recognized species (POWO, 2022–onward; <https://powo.science.kew.org/taxon/urn:lsid:ipni.org:names:1115887-2>).

The genus *Andina* J.A.Jiménez & M.J.Cano (*Pottiaceae*, *Bryophyta*) was described in 2012 (Jiménez, Cano, 2012), while the replacement name *Andinella* J.A.Jiménez & M.J.Cano was proposed eight years later by the same authors (Jiménez, Cano, 2020).

The names *Andinia* and *Andina* differ in just one letter and can be treated as confusingly similar names, defined in the Glossary of the *ICN* (Turland et al., 2018) as "orthographically similar names at the rank of genus or below that are likely to be confused and are to be treated as homonyms if heterotypic (Art. 53.2 and 53.3) or as orthographical variants if homotypic (Art. 61.5). Binding decisions may be made on whether or not the former are to be treated as homonyms (Art. 53.4 and App. VII)". A request for binding decision has been made in that case (Freitas, Tonini, 2014) and it has been decided that these two names should be treated as homonyms (see Applequist, 2017: 511; see also Appendix VII of the *ICN*: Turland et al., 2018). Following that decision, Jiménez

and Cano (2020) proposed the replacement name *Andinella*. Recent research demonstrated that *Andinella* is phylogenetically rooted in *Didymodon* Hedw. s. l. (Jiménez et al., 2021).

Andina J.A.Jiménez & M.J.Cano (2012) and *Andina* Wilk, Pabijan & Lücking (2021) are full homonyms and thus the later name is illegitimate because "it is spelled exactly like a name based on a different type that was previously and validly published for a taxon at the same rank" (Art. 53.1 of the *ICN*: Turland et al., 2018). Also, Note 2 of Art. 53.1 of the *ICN* states that a "validly published earlier homonym, even if illegitimate, rejected under Art. 56 or F.7, or otherwise generally treated as a synonym, causes rejection of any later homonym that is not conserved, protected, or sanctioned". That is exactly the case with *Andina*: the earlier homonym (referring to a moss genus) is illegitimate, but it makes illegitimate the later homonym (applicable to a lichen genus).

It should be noted that in the NCBI (National Center for Biotechnology Information) / GenBank database the name *Andina citrinoides* is annotated as "nom. illeg." (nomen illegitimum = illegitimate name) (<https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2751505>, accessed 24 January 2022). However, this nomenclatural interpretation is incorrect because in this case only the genus-rank name is illegitimate and has to be replaced. The species-rank name is valid and legitimate (and thus it can serve as a basionym for a new combination) but incorrect, in accordance with Art. 55.1 of the *ICN*: "A name of a species or subdivision of a genus may be legitimate even if its epithet was originally placed under an illegitimate generic name". However, in MycoBank (<https://www.mycobank.org>) the generic name *Andina* (MycoBank #836178) is incorrectly listed (as of 24 January 2022) with the name status "Legitimate".

New name and combination

Wilketalia S.Y.Kondr., **nom. nov.** Mycobank #842999.

Replaced synonym: *Andina* Wilk, Pabijan & Lücking in Wilk, Pabijan, Sařuga, Gaya & Lücking, *Mycologia* 113(2): 289 (2021), nom. illeg., non *Andina* J.A.Jiménez & M.J.Cano in *Syst. Bot.* 37(2): 296 (2012) (*Pottiaceae*, *Bryophyta*), nec *Andinia* (Luer) Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 79: 5 (2000) (*Orchidaceae*).

Wilketalia citrinoides (Wilk & Lücking) S.Y.Kondr., **comb. nov.** MycoBank #843043.

Basionym: *Andina citrinoides* Wilk & Lücking in Wilk, Pabijan, Sařuga, Gaya & Lücking, *Mycologia* 113(2): 289 (2021).

Etymology: Following the old and respected tradition of dedicating scientific names (including genus-rank ones) of organisms to their discoverers or persons otherwise connected to newly discovered organisms, the first author (Sergey Y. Kondratyuk) decided to propose a new name in honor of researchers who discovered and studied the new taxon. Thus, the new name *Wilketalia* is dedicated to Karina Wilk and her colleagues who authored the new genus *Andina* (nom. illeg.) and the article (Wilk et al., 2021), in recognition of their contributions to understanding of taxonomy and phylogeny of *Teloschistaceae*. The new generic name is derived from the words and abbreviation "Wilk et al." [where *et al.* stands for *et aliorum*, meaning "and others" in Latin] referring to the authors of the new genus and of the article where it has been described.

Contribution of the authors

Sergey Y. Kondratyuk contributed to all aspects of the article related to lichenology and nomenclatural decisions; Sergei L. Mosyakin provided information on taxa of higher plants and some nomenclatural explanations.

Acknowledgments

We are grateful to two anonymous reviewers for their comments on the manuscript and to Vera P. Hayova and Ganna V. Boiko (M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine) for guiding this submission through the reviewing and editorial process.

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Recommended for publication by Peter J. de Lange

Кондратюк С.Я., Мосякін С.Л. 2022. *Wilketalia* S.Y.Kondr., нова назва для *Andina* Wilk, Pabijan & Lücking, nom. illeg. (*Teloschistaceae*, ліхенізовані *Ascomycota*). *Український ботанічний журнал*, 79(1): 3–5.

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Реферат. Запропонована нова родова назва *Wilketalia* S.Y.Kondr. (nom. nov.; *Teloschistaceae*, ліхенізовані *Ascomycota*) на заміну незаконної назви *Andina* Wilk, Pabijan & Lücking (nom. illeg.), яка виявилася пізнішим омонімом двох назв: *Andina* J.A.Jiménez & M.J.Cano (*Pottiaceae*, *Bryophyta*) та *Andinia* (Luer) Luer (*Orchidaceae*). Також валідизована нова номенклатурна комбінація видового рангу для типового виду вказаного роду: *Wilketalia citrinoides* (Wilk & Lücking) S.Y.Kondr. (*Andina citrinoides* Wilk & Lücking). Надані необхідні номенклатурні коментарі.

Ключові слова: *Andina*, *Teloschistaceae*, *Wilketalia*, нова назва, номенклатура, омонім, таксономія.