



VALIDATION OF NAME *SPHAEROBOLUS JAYSUKHIANUS* AM VASAVA, RS PATEL AND KS RAJPUT

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ABSTRACT: The name *Sphaerobolus jaysukhianus* AM Vasava, RS Patel and KS Rajput was not validly published by the original authors as they did not registered the species name with any recognized nomenclatural repository and therefore lacked citation of the unique registration identifier. This results into an invalid publication because providing a unique registration number is a mandatory requirement for valid publication of the name of a fungal taxon. In order to validate this name, the first author registered this species name with Index Fungorum and obtained a unique Registration Identifier for the same which is published here as *Sphaerobolus jaysukhianus* AM Vasava, RS Patel and KS Rajput ex A. Parihar & Hembrom. In this communication we are only validating the earlier published name.

Keywords: Fungi, Name, Nomenclature, Validation

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INTRODUCTION

Vasava *et al.* in the year 2020 published a new species within the genus *Sphaerobolus* Tode based on the Morphological and multigene (mtSSU, ITS, EF 1-a and LSU) phylogenetic analysis (Vasava *et al.* 2020). However, during the publication process, they did not obtain a unique registration number for the mentioned species, resulting in the invalid publication of the species name *Sphaerobolus jaysukhianus* A.M. Vasava, R.S. Patel, and K.S. Rajput. According to the rules stipulated in Article F.5.1

of International Code of Nomenclature for algae, fungi, and plants (Turland *et al.* 2018), citation of a registration identifier is required for the valid publication of the name of a fungal taxon published on or after January 1, 2013. Therefore, it is clear that this name is not validly published and holds no status under the Code unless it is validly published (Article 12.1, Turland *et al.* 2018). Although the species is unique and has sufficient morphological and phylogenetic evidence to be recognized as a new species. To achieve

this, the first author registered the species name with Index Fungorum and obtained a unique Registration Identifier which is cited below with the taxon name. The other diagnostic features of the species are same as provided by Vasava *et al.* 2020.

VALIDATION OF THE SPECIES

Sphaerobolus jaysukhianus AM Vasava, RS Patel and KS Rajput ex. A. Parihar and Hembrom.

INDEX FUNGORUM IDENTIFIER - IF903428

DESCRIPTION AND ILLUSTRATION

in Vasava *et al.*, 2020, *Pl. Biosystems* 155(5): 965 (2020), Figure 1-3

HOLOTYPE

India, Gujarat, Vadodara, Ajwa road, on cow dung (22°19'19.31 N, 73°14'49.43 E), 23 July 2018, Vasava *et al.* 0389 (holotype: BARO; Isotypes: FRI, NCL)

DIAGNOSIS

The species differs from the other species of the genus in having larger gleba and basidiospores.

ETYMOLOGY

The species is named after Prof. (Dr.) Jaysukh Jagmohandas Shah, The Maharaja Sayajirao University of Baroda, Vadodara and Ex-Head, Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar for his valuable contribution in the field of plant anatomy and plant pathology.

NCBI Accession Numbers: ITS - MK208479, MK209116; mtSSU - MK208481, MK209117; EF 1- α - MK231137, MK243684; LSU - MK208480, MK209118 (LSU)

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Vasava AM, Patel RS, Rajput K.S. (2020). *Sphaerobolus jaysukhianus* sp. nov.: An artillery fungus (*Geastraceae*, Basidiomycota) from India, *Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology*. 155 (5): 963-970 DOI: 10.1080/11263504.2020.1810810.

