



CORRECTION

Correction to: The embryological insight into the relationship between *Forsythia* and *Abeliophyllum* (Forsythieae, Oleaceae)

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In the original publication of the article, species name of “*Abeliophyllum distichum*” was incorrect in Table 1. The correct version of Table 1 is provided below.

The original article can be found online at <https://doi.org/10.1007/s10265-020-01218-8>.

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Table 1 Comparison of embryological characters of *Forsythia* and *Abeliophyllum* with other Oleaceae

Charaters	<i>Forsythia saxatilis</i>	<i>Abeliophyllum distichum</i>	Other Oleaceae
Anther and microspores			
Number of sporangia	4	4	4
Thickness of anther wall	5	5	4 to 6
Mode of wall formation	Basic	Basic	Dicotyledonous
Anther epidermis	Persistent	Persistent	NA
Endothecium	Fibrous	Fibrous	Fibrous
Middle layers	2 layers, ephemeral	2 layers, ephemeral	1 layers, ephemeral
Tapetum	Glandular	Glandular	Glandular
Number of nuclei in tapetal cell	2	2	2 to many
Cytokinesis in meiosis	Simultaneous	Simultaneous	Simultaneous
Shape of microspore tetrad	Tetrahedral	Tetrahedral	Tetrahedral/Isobilateral
Mature pollen	2-celled	2-celled	2 or 3 celled
Pollen grain	Monad	Monad	Monad
Pollen grain in polar view	Trilobulate-circular	Trilobulate-circular	Bi-Tri- or tetralobulate-circular
Exine texture	Reticulate	Reticulate	Reticulate
Anther dehiscence	Longitudinal slits	Longitudinal slits	Longitudinal slits
Ovule and integument			
Number of integument	1	1	1
Ovule orientation	Anatropous	Anatropous	Anatropous/Amphitropous
Number of ovule per locule	Multiple	Single	Variable
Thickness of integuments	10–15 cells	5–7 cells	Few to many
Vascular bundle in integument	None	None	NA
Micropyle	Long	Long	NA
Integumentary tapetum	Formed	Formed	Formed
Nucellus and megagametophyte			
Number of archesporial cell	NA	3 to 6	1 to many
Nature of nucellus	Tenuinucellate	Tenuinucellate	Tenuinucellate
Shape of megaspore tetrad	Linear	Linear	Linear or T-shaped
Thickness of parietal tissue	Absent	Absent	NA
Mode of embryo sac formation	Polygonum	Polygonum	Polygonum/Allium
Nucellar cap	Formed	Formed	NA
Nucellar tissue in mature ovule	Absent	Absent	NA
Funicular obturator	Formed	Formed	NA
Fertilization, endosperm and embryo			
Hypostase in ovule or young seed	Formed	Formed	Formed?
Path of pollen tube	Porogamous	Porogamous	NA
Mode of endosperm formation	Nuclear	Nuclear	Cellular/Nuclear
Endosperm haustoria	Present	Present	NA
Type of embryogeny	NA	Solanad	Solanad?
Fruit			
Fruit type	Loculicidal capsule	Indehiscent samara	Fleshy drupes or berries, capsules and samara
Number of seed in fruit	Many	2	Variable
Pericarp comprised of	Exo-, meso-, and endocarp	Exo-, meso-, and endocarp	Exo-, meso-, and endocarp
Thickness of pericarp	18–22 cells	10–15 cells thick	NA
Stomata in fruit wall	Present	Present	Present or not
Lenticells	Foremed	Not formed	Formed or not formed
Exocarp	Single layered	Single layered	Single layered
Mesocarp	Multilayered and compact	Multilayered and loosely arranged	NA
Endocarp	Highly lignified and multilayered	Highly lignified usually 2-3 layered	NA

Table 1 (continued)

Charaters	<i>Forsythia saxatilis</i>	<i>Abeliophyllum distichum</i>	Other Oleaceae
Seed and seed coat			
Aril	Absent	Absent	Absent
Endosperm in mature seed	Present	Present	Present or not
Embryo in mature seed	Large	Large	NA
Shape of embryo	Straight	Straight	Straight
Types of seed coat	Exotestal	Exotestal	Exotestal
Testa multiplicative?	Yes	Yes	Yes
Thickness of testa	12-16 cells thick	10–15 cells thick	NA
Cells of exotesta	Thick walled, roundish and wide with convex periclinal wall	Thick walled, roundish and wide with convex periclinal wall	More or less in a palisade, with thickened outer wall
Mesotesta	Persistent, thin walled elongated and compressed	Persistent, thin walled tangentially elongated and compressed	Thin walled compressed
Cells of endotesta	Crushed	Crushed	More or less persistent with thickened walls
References	This study	Hong and Han (2002), Ghimire and Heo (2014), Ghimire et al. (2015)	Anderson (1931), Bhargava (1980), Corner (1976), Davis (1966), Jedrzejuk and Szlachetka (2005), Johri et al. (1992), Maheshwari (1975), Messeri (1952), Rohwer (1993, 1996), Soueges (1942), Zhang (1982)

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