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Register of Passiflora Cultivars 2018-2019



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SUBMISSIONS: Passiflora welcomes articles on all aspects of Passiflora and related subjects from PSI members and others. Please email them to the Commissioning Editor single-spaced in MS Word. Photos should be high resolution and references in the modified Chicago Author-Date style.

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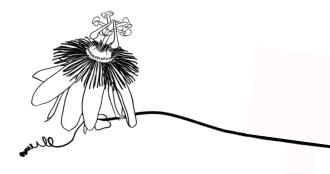
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Front cover: Passiflora 'Xishuangbanna Red' (adaxial). Photo by Wu Fuchuan.

Back cover: Passiflora 'Xishuangbanna Red' (abaxial). Photo by Wu Fuchuan.

Passiflora Society International

Our Mission

PSI is dedicated to the conservation of the genus *Passiflora* through

- The sharing of knowledge of the genus, its species and cultivars throughout the world
- The promotion of cultivation and propagation of living collections
- Encouraging the creation and registration of cultivars for their flowers, fruit and other characteristics
- Seeking ways to ensure the survival of endangered species and cultivars

Register of Passiflora Cultivars 2018-2019 Introduction and Summary

by the Registrar, Robert Rice



WELCOME to the Register of Passiflora Cultivars for the years 2018 and 2019. There were a total of 13 applications during these two years, of which 3 have been withdrawn for the time being, but have been offset by 6 cultivars brought forward from 2016 and 2017, making a net 16 in all. While this is slightly more than the 14 recorded in 2016-2017, it remains lower than it should be!

We know you're busy out there hybridising and selecting, so please choose your best, propagate them, then fill in and submit the application form **before the deadline on 31**st **December 2021**, to be in time for the register for 2020-2021. Now that we are catching up with the backlog of *Passiflora* issuance, it should appear much more promptly than of late. It will form the spring issue for 2022. You will currently find the form at www.passifloracultivars.org/application. However, as you will see below, I am in process of rationalising all aspects of registration, and this may involve moving the form, so if you cannot find it there, please visit www.passiflorasociety.org/#news for more information.

In the last register I included some advice on how to complete the form, stressing the importance of good quality photographs. I also provided a preparation sheet in English. This time, in case it is easier, you'll find the equivalent in French on page 41. You can also use French to fill in the form. We are working to introduce other languages, but in the meantime please do get in touch if you have difficulty understanding it.

PAST REGISTERS: MAKING THEM EASIER TO USE

When preparing your submission, you will find it helpful to consult past issues of the register: they enable you to check that your cultivar is distinctive, that its name has not been used before, and so on. Rather confusingly, over time registers have been published with varying titles in varying forms and locations; so to make them easier and clearer to use, they have now been gathered together and placed online in a single master location, and the name of each issue has been modified to ensure it follows a standard format, reflecting the period covered and showing that it is indeed a register. Thus the original *Passiflora Cultivars 2008-2010* has been renamed **Register of Passiflora Cultivars 2008-2010**. The file name is then formed by hyphenating the words, then adding an underscore "_" and the registration numbers covered, followed by the file extension ".pdf", eg Register-of-Passiflora-Cultivars-2008-2010_119-171.pdf. Full details will be found in the table overleaf.

Where an issue of the register has appeared in more than one form, for example (1) as an article in *Passiflora*, and (2) as a pdf file generated in MS Word and placed online, the one deemed most authoritative has been chosen. The register chosen for 2014-2015 is in a slightly unusual form, reproducing more or less exactly the entries on the application form and including many N/As, so for those who prefer the form of the registers from 2004-2011.1, an alternative Condensed Register of Passiflora Cultivars 2014-2015 is available. From 2016-2017 onwards, I have adopted a compromise between these two, which I hope combines the best features of both.

The very first register is prefixed with the word "Initial" to flag the fact that it differs from all subsequent registers in (a) being more of a checklist than a formal register and (b) uniquely needing to be referenced by page number, since entries were only assigned numbers from the following issue onwards.

The master location of these files is www.passiflorasociety.org/passiflora-cultivar-register/, where you will also find a version of this article, advice on how to complete the application form and copies of the preparation sheets.

Registers of Passiflora Cultivars and other Notes							
	Published 2003-2021						
Year published	Registrar /author	Period covered	<i>Passiflora</i> issue	New standardised name (hyphenate words and add "_" + cultivar numbers + ".pdf" to give filename) Original title / title in Passiflora	Covering cultivar numbers		
Registers a	nd related notes						
2003	John Vanderplank	To end 2002	n/a	Initial Register of Passiflora Cultivars 1819-2002 The International Passiflora Register (2003)	page numbering only		
2003	John Vanderplank	To spring 2003	13(1)	Register of Passiflora Cultivars 2003 Spring New registered cultivars to Spring 2003	#001 - #006		
2004-2008	Les King	2004-2007	13(2) - 17(2)	Register of Passiflora Cultivars 2004-2007 Passiflora Cultivars 2004-2007 / Various	#007 - #118		
2008-2011	Les King	2008-2010	18(1) - 22(1)	Register of Passiflora Cultivars 2008-2010 Passiflora Cultivars 2008-2010 / Various	#119 - #171		
2011	Les King	2011 Jan-June	22(1)	Register of Passiflora Cultivars 2011.1 Passiflora Cultivars 2011 / Newly-Registered Cultivars to Winter 2011 (part)	#172 - #178.1		
2012	PSI team	2011 July-Dec	22(1)	Register of Passiflora Cultivars 2011.2 None / Newly-Registered Cultivars to Winter 2011 (part)	#178.2 - #187		
2017	Robert Rice	2011	n/a	Notes on Register of Passiflora Cultivars 2011-2013 Passiflora Cultivars 2011-2013 Notes	page numbering only		
2016	Shawn Mattison	2014-2015	Special	Register of Passiflora Cultivars 2014-2015 also available: Condensed Register of Passiflora Cultivars 2014-2015 Newly-Registered Cultivars 2013/2015	#188 - #228		
2019	Robert Rice	2016-2017	27(1-2)	Register of Passiflora Cultivars 2016-2017 Passiflora Cultivars 2016/2017	#229 - #242		
2021	Robert Rice	2018-2019	30(1)	Register of Passiflora Cultivars 2018-2019 Register of Passiflora Cultivars 2018-2019	#243 - #258		
Supplemen	tary Notes (cultivars	known but not	then registered)				
2011	Les King	To June 2011		Supplementary Notes on Passiflora Cultivars 2003-2011 Supplementary Notes	page numbering only		
2016	Shawn Mattison	2013-2015		Supplementary Notes on Passiflora Cultivars 2012-2015 2015 Passiflora Cultivars Supplementary Notes	page numbering only		

HOW TO CITE THE REGISTER

Although *Passiflora* has now adopted the Chicago Author-Date system as standard, the register calls for special treatment. Neither the author nor the date of publication are normally of interest; so unless they are, neither should be stated. Instead:

• where the reference is to a particular cultivar, and the source includes its registration number, the normal form of in-text citation should be of the order:

Register of Passiflora Cultivars #123

also acceptable when the context dictates or allows are:

Register of Passiflora Cultivars 2008-2010 #123, or

Register #123, or even Reg. #123

• in all other cases the issue name should be used, followed by the page number if required. For example, if you wish to refer to a cultivar or other matter on page 3:

Register of Passiflora Cultivars 2008-2010, 3

Initial Register of Passiflora Cultivars 1819-2002, 3

also acceptable when the context allows:

Register 2008-2010, 3

Initial Register 1819-2002, 3 or (in this case only) Initial Register, 3

The full name of the issue of the register, along with the filename and URL should be provided in the reference section at the end of the article. The publication date should not be given, unless it is particularly relevant, in which case it should be proceeded by the word "Published" to avoid confusion.

THE NEW REGISTER

Returning to the present register, a word of explanation about the data is in order. Because some of the fields in the application form are optional, the type of data shown varies from cultivar to cultivar, and because some fields are free-format, the style of wording also varies. Where possible, I have preserved the original wording supplied by the applicant (translated as needed), supplemented by any responses to queries I have raised, except where abbreviation, avoidance of repetition, correction of botanic terms, names and assertions, stylistic consistency and general clarification were called for. I am most grateful for the help I have received from expert members of the PSI and others, but for any errors that remain, I apologise.

As enjoined by the two international codes of nomenclature, I should state explicitly that, as in the previous register, parentage of hybrids is shown **female parent first**, and male second, which obviates the need for gender symbols. This convention is to be consistently followed in *Passiflora* as a whole, and should be followed in any articles submitted.

All of the new cultivars are from the main body of subgenus *Passiflora*, with the exception of one *Tacsonia*; this time there are no *Decaloba* or members of other subgenera at all. Species (including selections) seem to be preferred as the male parent (13 out of 16) but cultivars are equally popular as the female (8 each). There is one first generation polyploid, and several others with a polyploid in their parentage; for those unfamiliar with their creation, some additional information is included in the entry for the former.

The other recurrent theme is the colour **red**. Unfortunately it is very easy to confuse red species, so I have included a special article to help you distinguish some of the main suspects.

All the new cultivars will be posted on the PSI revolving home screen shortly.

I look forward to receiving your form with details of your beautiful new cultivar soon. Meanwhile I hope you enjoy the register.

	Summary of							
	Newly Registered Passiflora Cultivars 2018/2019							
	Details on the following pages							
#	Breeder	Cultivar	= Female parent	× Male parent				
243	István Molnár	P. 'Plavalaguna'	P. 'Byron Beauty'	P. 'Temptation'				
243	Carlos Ibarra	P. 'Karen'	P. parritae	P. antioquiensis				
245	Martine Sanchez	P. 'Lydie'	P. 'Panda'	P. caerulea				
246	Stefania Mattiuzzo	P. 'Gocce di Cielo'	P. × violacea 'Victoria'	P. caerulea				
247	Stefania Mattiuzzo	P. 'Pina'	(P. 'Temptation'	(P. 'Temptation'				
			× P. 'Temptation')	× P. 'Inspiration')				
248	Charles Boulanger	P. 'Jardin Jungle'	P. 'Sweet Surrender'	P. caerulea				
249	Franco Vagli	P. 'Stella di Montignoso'	P. 'Star of Clevedon'	P. caerulea				
250	Marchelo Castelano	P. 'Marchelo'	P. 'White Mirror'	P. caerulea 'Constance Eliott'				
251	Bob Holzinger	P. 'Linnie II'	P. vitifolia 'Scarlet Flame'	P. incarnata f. alba				
252	Christopher Taube	P. 'Dani'	P. 'Amethyst'	P. caerulea				
253	Pablo Posadas	P. 'Pablito'	P. foetida ("Love-in-a-Mist")	P. foetida var. nigellifolia				
254	Thomas Fecke	P. 'Maria Bach'	P. retipetala	P. 'Purple Haze'				
255	Delfin Santiago	P. 'Angel Lito'	P. gibertii	P. caerulea				
256	Yvan Vilain	P. 'Micheline Duniol'	P. miniata	P. setacea				
257	Alexei Miroshnichenko	P. × belotii 'Kursk Star'	P. alata	P. caerulea (Sochi)				
258	Fuchuan Wu	P. miniata 'Xishuangbanna Red'	P. miniata	P. miniata				

Some Confusing *Passiflora* Species and How to Distinguish them

Many of the red-flowered species in subgenus *Passiflora* are quite similar; indeed in a forthcoming article, John Vanderplank considers the possibility that some are naturally occurring hybrids. However by following the table below and the photographs opposite, readers should find it much easier to distinguish some often confused species such as *P. miniata* and *P. coccinea*.

TABLE: KEY FEATURES OF SELECTED PASSIFLORA SPECIES								
	based on Vanderplank 2006							
	species:	coccinea	miniata	aimae	quadrifaria	longicuspis	vitifolia	
Stipules	length	7-9mm	3-6mm	5mm	18-22mm	10mm	4-6mm	
	glands	3-5	2	2	6-12	2	2	
Petiole glands	at base	2	2	2	2	2 above base	2	
	midway	2-4		2				
Bracts	size	LARGE	small, narrow	small, narrow	LARGE	small, narrow	small, narrow	
	length	70-95mm	33-50mm	13mm	60-70mm	20-35mm	35-40mm	
Corona series	number	2	3	2	4	2	3	
	outer colour	white	purple	white	red	whitish pink	red	
Operculum	shape	coiled	hooked	erect	hooked	recurved "S"	hooked	
Androgynophore	length	20-35mm	55-60mm	DD*	26-30mm	35-40mm	30-35mm	
	colour	red	speckled	red	red	speckled	speckled	
Fruit	size	small	LARGE	DD*	small	narrow	LARGE	
	shape	pear-shaped	subglobose	DD*	pear-shaped	pear-shaped	ovoid	
	colour	green->brown	variegated	DD*	green->brown	green	variegated	
	how held	upright	pendulous	DD*	upright	pendulous	pendulous	
	* Data Deficient							
References:	References:		Vanderplank, John 2006. <i>Passiflora miniata</i> . <i>Curtis's Botanical Magazine</i> 23(3): 223-230 Vanderplank, John (forthcoming). Natural Hybrids. <i>Passiflora</i> 30(2)					
Photographs courtesy of:		1, 2, 4, 7-9: John Vanderplank; 3, 5: Wu Fuchuan; 6: Hilaire Annonay						



1: P. coccinea: flower and bracts



2,3: P. miniata: flower and bracts



4: P. coccinea: fruit inside bracts



5: P. miniata: fruit



6: P. aimae



7: P. longicuspis



8: P. quadrifaria



9: P. vitifolia

Passiflora 'Plavalaguna'

Registration number: 243 Submission date: 2016-09-07

Submitted and originally grown by: István Molnár, Hungary

Parentage: Passiflora 'Byron Beauty' (Initial Register, 10)

× Passiflora 'Temptation' (Initial Register, 33)

Confidence of pollen donor: 100% Type: Tetraploid hybrid



Large, deep blue flowers with curly filaments. Sepals and petals reflexed 45°. Very vigorous, fast growing.
After the blue opera diva in the Fifth Element movie.
No
2 clones at Hungarian growers + several small rooted cuttings. Cuttings root easily from cuttings.
Grown in a pot, outdoors and in an unheated greenhouse
Cold hardy to about -4 °C.

Diameter 8cm

Peduncle length 5cm

Colour of petals Lower side is bright green, upper side is light purple

Colour of sepals Lower side is light blue, upper side is light purple

Coronal series Two outer: long, curly-ended, banded white, deep blue, white with light blue

spots, dark bluish purple. Inner series short, 8 to 10 rows, aubergine

Scent Similar to 'Incense' but less strong

Flowering First flowers appeared after a year; very floriferous.

Bracts Similar to those on the parents. One day before opening, a hint of light purple

appears on the petal side





LEAVES AND OTHER DETAILS

Leaf length 12cm

Leaf width 10cm

Lobes 5

Petiole length 3cm

Shape Broad, very

Vine Green, vigorous, robust.

Passiflora 'Karen'

Registration number: 244 Submission date: 2016-09-14

Submitted and originally grown by: Carlos Ibarra, USA

Parentage: Passiflora parritae

× Passiflora antioquiensis

Confidence of pollen donor: 100% Type: Hybrid



		ΊΔΤΙΟΙ	

How is it distinctive? Differs from P. 'Mission Dolores' (Register #127) in having

(a) sepals dark red orange abaxially, and smaller, less sweet fruit,

and (b) male parent from a different source.

Why this name ? After the great niece of the breeder

Has it been published, patented or granted PBR? No

Propagation May be propagated from cuttings; number of existing clones not known

Where was it grown? Grown in USDA 9.

What are its cultivation requirements? Self-pollinating

Diameter 17cm

Floral tube 6.5cm, green to pink, striate, dilated at base

Peduncle length 22.5cm

Petals Deep pink to salmon (Registrar: remember Pacific salmon differ from Atlantic!)

Sepals Adaxially: Deep pink to salmon; abaxially: dark reddish orange. Awn 0.5cm

Coronal series Reduced to one purple ring

Scent None

Flowers Single

Bracts Oblong-ovate, acute, serrulate, deciduous, 2cm x 1cm







LEAVES AND OTHER DETAILS

Leaf length 11.5cm
Leaf width 10.5cm

Lobes 3, narrow, 2-3cm wide

Petioles 2.5cm, 4-8 sessile glands

Leaf details Glabrous, pilosulose below, rounded at base

Stipules 1cm, linear

Vine Pilosulose, terete; striate with reddish brown

Fruit Green, ripening to yellow; 5cm x 10cm, oblong-ovate with small bumps;

arils orange; seeds obovate 1.0 x 0.3 cm

Passiflora 'Lydie'

Registration number: 245 Submission date: 2016-10-20

Submitted and originally grown by: Martine Sanchez, France

Parentage: Passiflora 'Panda' (Register #71 - tetraploid)

× Passiflora caerulea

Confidence of pollen donor: 100% Type: Hybrid, probably polyploid





GENERAL INFORMATION

How is it distinctive ? See photographs

Why this name ? In honour of the breeder's daughter-in-law

Has it been published, patented or granted PBR? Not formally

Propagation One only at date of submission

Where was it grown? In south-west France USDA 8b.

In the ground outdoors

Culture requirements Full sun or partial shade

Invasive.

Diameter 10cm

Peduncle length 6cm

Colour of petals Pale pinkish violet

Colour of sepals White

Scent None

Flowering Flowered in first year.

Flowers single, abundant, July-August.







LEAVES AND OTHER DETAILS

Leaf length 15cm

Leaf width 15cm

Lobes 3 - 5, narrow

Further leaf details Glossy green, rigid, thick

Petioles 4cm, 2 glands

Stipules Reniform

Vine Bright green

Fruit 5cm diameter x 7cm long. Green ripening to yellow-orange. Seeds black.

Passiflora 'Gocce di Cielo'

Registration number: 246 Submission date: 2017-08-12

Submitted and originally grown by: Stefania Mattiuzzo, Italy

Parentage: Passiflora × violacea 'Victoria' (Initial Register, 34)

× Passiflora caerulea

Confidence of pollen donor: 100% Type: Hybrid



GENERAL INFORMATION

How is it distinctive ? Very hardy, evergreen in USDA 8b

Why this name ? From its similarity to raindrops, coloured like the sky

Has it been published, patented or granted PBR? Only in Facebook (2012)

Propagation Easy to propagate, widely distributed

Where was it grown? Outdoors in central Italy

What are its cultivation requirements? Cold hardy to about -10 °C, evergreen to -5 °C.

Diameter 9cm

Peduncle length 5cm

Colour of petals White

Colour of sepals White

Coronal series 4

Scent None

Bracts Green





LEAVES AND OTHER DETAILS

Leaf length 15cm

Leaf width 10cm

Lobes 5

Petiole length 2cm

Shape Narrow

Vine Semi-evergreen

Passiflora 'Pina'

Registration number: 247 Submission date: 2017-08-19

Submitted and originally grown by: Stefania Mattiuzzo, Italy

Parentage: (*Passiflora* 'Temptation' ** *Passiflora* 'Temptation' **)

× (Passiflora 'Temptation' × Passiflora 'Inspiration' 2)

¹ Initial Register, 33, tetraploid ² Initial Register, 18, tetraploid

Confidence of pollen donor: 100% Type: Tetraploid hybrid





GENERAL INFORMATION	
How is it distinctive ?	Highly scented. Hardy and vigorous. Good tasting and aromatic fruits. Easy to propagate.
Why this name ?	Honouring the teacher of the breeder's sister for her professionalism and her kindness to students
Has it been published, patented or granted PBR?	2013 informally
Propagation	Easy to propagate, widely distributed.
Where was it grown ?	Outdoors in central Italy, USDA 8b.
Culture requirements	Easy

Diameter 11.5cm

Peduncle length 5cm

Colour of petals Deep violet-blue

Colour of sepals Deep violet-blue

Coronal series 2 outer series long, extending beyond the sepals and petals, frilly at the tip;

deep violet-blue with 3-4 white bands towards the centre

Scent Very fragrant

Flowering Spring to autumn.

Bracts None







LEAVES AND OTHER DETAILS

Leaf length 16 cm

Leaf width 23cm

Lobes 3-5, broad

Further leaf details Young leaves typically 3-lobed

Petioles 2 glands

Stipules None

Vine Vigorous, terete, bright green

Fruit See photo. Oblate, green ripening to yellow, full of seeds and pulp. Larger thane

those of P. 'Temptation' and P. 'Inspiration'

Passiflora 'Jardin Jungle'

Registration number: 248 Submission date: 2017-08-30

Submitted and originally grown by: Charles Boulanger, France

Parentage: Passiflora 'Sweet Surrender' (unregistered)

× Passiflora caerulea

¹= *P. garckei* × *P. kermesina* - see Register #141, #144)

Confidence of pollen donor: 100% Type: Hybrid



			ION

How is it distinctive ? Fragrance, vigour, hardiness, almost deciduous in winter

Why this name?

After the garden where it was grown

Has it been published, patented or granted PBR? No

Propagation 10 or more clones propagated

Where was it grown? In an unheated greenhouse

In northern France

What are its cultivation requirements? Hardy to about -12 °C or lower: loses its leaves in winter, but stem remains

Diameter 11cm

Peduncle length 6.5cm

Petals, sepals, corona See photographs

Scent Of honey

Flowering First flowers appeared after 2 years; very floriferous. June to November



LEAVES AND OTHER DETAILS

Leaf length 12cm

Leaf width 16cm

Lobes 5

Petiole length 4.5cm

Shape Medium

Leaf details Glossy, dark green

Vine Glossy, dark green, vigorous

Fruit 5cm x 9cm, green ripening to golden yellow; arils yellow

Passiflora 'Stella di Montignoso'

Registration number: 249 Submission date: 2018-07-11

Submitted and originally grown by: Franco Vagli, Italy

Parentage: Passiflora 'Star of Clevedon' (Initial Register, 32)

× Passiflora caerulea

Confidence of pollen donor: 50% Type: Hybrid



ked, coronal series blue,
ry, 2 in England and 2 in
hich has hot dry sum-
ived -4.5° undamaged
,

Diameter 10cm

Peduncle length 6cm

Colour of petals and sepals Light purple

Coronal series Outer series banded blue, white and dark purple

Flowering First flower bloomed 11 months after seedling. Flowers in summer. Up to 7

flowers open each day. No racemes











LEAVES AND OTHER DETAILS

Leaf length 9cm

Leaf width 13cm

Lobes 3 to 5

Petiole length 6cm

Vine Reddish brown, terete, smooth, strong

Fruit Green ripening to golden, 3cm x 7cm

Passiflora 'Marchelo'

Registration number: 250 Submission date: 2018-09-02

Submitted and originally grown by: Marchelo Castelano, Spain

Parentage: Passiflora 'White Mirror' (Supplementary Notes 2003-2011, 251)

× Passiflora caerulea 'Constance Eliott' (Initial Register, 12)

Confidence of pollen donor: 100% Type: Triploid (?) hybrid

which says P. 'White Mirror' = P. 'White Wedding' x P. caerulea 'Emil Kugler', but Henk Wouters (pc 27/09/20) says male parent is P. caerulea 'Clear Sky'



GENERAL INFORMATION

How is it distinctive? Yellow corona. Hardy but also tolerant of high temperatures.

Why this name?

After the breeder

Has it been published, patented or granted PBR? Not formally

Propagation 3 clones have been propagated

Where was it grown? In a pot in eastern Spain (Mediterranean climate with hot dry summers and

mild winters)

What are its cultivation requirements? Very easy to grow; -8°C to +40°C

Diameter 10cm
Peduncle length 5cm

Colour of petals White

Colour of sepals White, margins green

Coronal series 2 outer series: distal portion primrose yellow, central third white.

Scent None

Flowering Free-flowering, like its male parent





LEAVES AND OTHER DETAILS

Leaf length 10cm

Leaf width 10cm

Lobes 5 or more, narrow

Petioles 5cm, with 4 elongated glands

Vine Vigorous, fast-growing

Fruit None

Passiflora 'Linnie II'

Registration number: 251 Submission date: 2018-09-03

Submitted and originally grown by: Bob Holzinger, USA

Parentage: Passiflora vitifolia 'Scarlet Flame' (Initial Register, 30)

× Passiflora incarnata f. alba

Confidence of pollen donor: 100% Type: Hybrid



GENERAL INFORMATION	
How is it distinctive ?	The length and curvature of the outer filaments on a flower of this colour - see comparative photograph opposite
Why this name ?	In honour of the breeder's wife who refers to herself by this name
Has it been published, patented or granted PBR?	No
Propagation	One clone being propagated by cuttings
Where was it grown ?	Outdoors in coastal Southern California, zone 10a. Sunset zone 23
Culture requirements	Will take full sun throughout the year, temperatures from 34 to 100, not picky
	as far as the soil texture, same amount of water as other <i>Passiflora</i> grown in the
	same conditions.

Diameter 10cm

Peduncle length 6.5cm

Colour of petals and sepals Red

Coronal series 5: the outer two are dark red, the inner three are white

Scent None

Flowering First flowers appeared in the second year from seed, flowers in the summer

(July-October). There will be a dozen or more flowers open at any one time.

Flowers single, not in a raceme.

Bracts 7 x 18mm, lanceolate, light green, 2 or 3 pairs of nectaries.







LEAVES AND OTHER DETAILS

Leaf length 9cm

Leaf width 12cm

Lobes 3, medium

Further leaf details Medium green colour, margins serrate, upper surface slightly tomentose, lower

surface glabrous.

Petioles 1.4cm. Two glands at the base, green, flat and slightly oblong, about 1mm long.

Stipules Lanceolate, 5mm long, very narrow.

Vine Larger stems are terete, dark brown, between rough and smooth in texture,

and vigorous. New stems are medium green, terete, smooth and vigorous.

Fruit None set

Passiflora 'Dani'

Registration number: 252

Submitted and originally grown by:

Parentage: Passiflora 'Amethyst'

× Passiflora caerulea

Confidence of pollen donor: 100% Type: Hybrid





Submission date: 2018-09-25

Christopher Taube, Germany

(Initial Register, 6)

GENERAL INFORMATION	
How is it distinctive ?	Early and extremely rich flowering. Corona centre is almost black. More intensely coloured sepals and petals than other 'Amethyst' x caerulea hybrids.
Why this name ?	After the breeder's daughter
Has it been published, patented or granted PBR?	No
Propagation	Three clones existing. One at a friends house, one in my garden and one under artificial lighting.
Where was it grown ?	In a pot and out of doors in northern German lowlands, USDA 7a
Culture requirements	Full sun or partial shade but produces significantly more flowers in full sun. Minimum temperature about -5°C; maximum temperature so far 38°C. Loves well drained but nutritious soil. Resistance to spider mites and mealybugs.

Diameter 8cm
Peduncle length 8cm

Colour of petals Light pink with darker pink edges, outside light pink with a light green stripe in

the middle

Colour of sepals Pink with a white stripe in the middle, outside light green with red speckles

Scent None

Flowering Sown in winter it started blooming in its first spring about May. Depending on

the weather in spring it blooms from May to November (in northern Germany).

It produces an immense amount of flowers, hundreds a year.

Bracts About 3cm high and 2cm wide, light green on the inside with red edges and

light green on the outside with red veins.





LEAVES AND OTHER DETAILS

Leaf length 18cm

Leaf width 18cm

Lobes 3, narrow

Further leaf details large, very dark green leaves with red petiole.

Petioles 6cm, red. 2 glands in top third, light green/yellowish, about 3mm

Stipules One single stipule per node, 4cm wide x 3.5cm high, dark green

Vine Light green with dark green vertical stripes, pretty vigorous, well branched

Fruit 3cm wide x 6cm long. Light green ripening to orange. Pulp also orange, tastes of

burnt plastic. Seeds black.

Passiflora foetida 'Pablito'

Registration number: 253 Submission date: 2018-11-10

Submitted and originally grown by: Pablo Posadas, Spain

Parentage: Passiflora foetida ("Love-in-a-mist")

× Passiflora foetida var. nigelliflora

Confidence of pollen donor: 100% Type: Hybrid



GENERAL INFORMATION

How is it distinctive ? Deep blue rarely seen in *P. foetida*

Why this name?

After the breeder

Has it been published, patented or granted PBR? Not formally

Propagation 3 clones have been propagated

Where was it grown? Outdoors in Spain

What are its cultivation requirements? Warmth

Diameter 6cm Peduncle length 5cm

Colour of petals White with some blue

Colour of sepals White

Coronal series 2 outer series: distal portion white, remainder violet-blue, deepening towards

the centre. Inner series shorter, deep violet-blue

Scent Unpleasant

Flowering 1 year from seed

Bracts 4cm



LEAVES AND OTHER DETAILS

Leaf length 8cm

Leaf width 5cm

Lobes 3, central lobe relatively broad, outer lobes much smaller

Petioles 5cm, with 4 glands

Vine Typical of *P. foetida*

Fruit None set yet

Passiflora 'Maria Bach'

Registration number: 254 Submission date: 2018-07-11

Submitted and originally grown by: Thomas Fecke, Germany

Parentage: Passiflora retipetala

× Passiflora 'Purple Haze' (Initial Register, 28) or possibly P. 'Amethyst' (Initial Register, 6)

Confidence of pollen donor: 25% Type: Hybrid







How is it distinctive? The colour of the flowers. Compact - grows "only" two metres a year

Why this name?

After the breeder's godchild

Has it been published, patented or granted PBR? No

Propagation Only one plant to date, but cuttings planned for the family and for trade

Where was it grown? Indoors in a pot, in northern Bavaria

Culture requirements Full sun or partial shade; dry climate, minimum temperature 5°C.

Diameter 7.5cm

Peduncle length 3cm

Colour of petals and sepals White

Coronal series Outer series banded purple, white, purple; inner - see photographs

Scent None

Flowering First flowers in third year; from July to November; normally

one leaf/one flower

Bracts Green, open









LEAVES AND OTHER DETAILS

Leaf length 11cm

Leaf width 12cm

Lobes 3, narrow

Further leaf details Dark green, with green nerves

Petioles 3cm, 4-6 small glands

Stipules See photograph

Vine Green

Fruit See photograph

Passiflora 'Angel Lito'

Registration number: 255 Submission date: 2019-08-16

Submitted and originally grown by: Delfin Santiago, Canary Islands

Parentage: Passiflora gibertii

× Passiflora caerulea

Confidence of pollen donor: 75% Type: Hybrid



GENERAL INFORMATION

How is it distinctive? The first well-documented hybrid between these two species

Why this name ? After the breeder's late father

Has it been published, patented or granted PBR? No

Propagation 3+ clones from cuttings

Where was it grown? Outdoors in the mountains of Gran Canaria, where despite dry summers there

are fogs, occasional snow and low temperatures, but warmer than (eg) the UK

What are its cultivation requirements? Very hardy (if not fully frost hardy) - see above.

Diameter 6cm
Peduncle length 6cm

Colour of petals Light blue

Colour of sepals Greenish white with green margins, wider than petals, and extended by an awn

Coronal series 2 outer series, white banded with light blue, deep purple at the base;

4-5 inner series, mid to deep purple"

Scent None

Flowering 16 months from seed



LEAVES AND OTHER DETAILS

Leaf length 6cm

Leaf width 5cm

Lobes Usually 5, sometimes 3 or 4; of medium width

Petioles 6cm, 4-5 glands

Vine Very vigorous, fast growing

Fruit Ellipsoid, green maturing to yellow, 2cm x 3cm, soft-skinned like its parents

Passiflora 'Micheline Duniol'

Registration number: 256 Submission date: 2019-12-22

Submitted and originally grown by: Yvan Vilain, Thailand

Parentage: Passiflora miniata

× Passiflora setacea

Confidence of pollen donor: 100% Type: Hybrid



GENERAL INFORMATION	
How is it distinctive ?	Flowers garnet red with white corona. Night-flowering
Why this name ?	In honour of the breeder's mother
Has it been published, patented or granted PBR?	No
Propagation	3 clones in breeder's possession, none distributed. Vegetative propagation only.
Where was it grown ?	Outdoors, in a tropical monsoon climate at an altitude of 180m and in an area where nearby salt-marshes render the water-table brackish.
Culture requirements	The plant itself tolerates temperatures of more than 45°C and excessive watering during the monsoon season; but flower buds abort when temperatures are high, and only mature when temperature at night falls below 15°C at night.

Diameter 8cm
Peduncle length 5cm

Colour of petals Garnet red above, greenish white below

Colour of sepals Garnet red above, pale pink below

Coronal series 3, all white. Outer 3cm, middle 1cm, innermost (round androgynophore)

1.5cm

Scent None

Flowering Solitary, at night. First flowers 8 months from germination, but (perhaps due

to the heat) all aborted, several hundreds of them. Now in a cooler period the

buds open fully.

Bracts 1.6cm x 2.8cm, green, tending to become pale red.









LEAVES AND OTHER DETAILS

Leaf length 11cm
Leaf width 14cm

Lobes 3, broad

Further leaf details Dark green, subpubescent

Petioles 3.5cm, glands 1mm x 1mm, sometimes opposite, sometimes alternate; usually

at the base, sometimes towards the centre

Stipules Very small, filiform, deciduous.

Vine Very vigorous, to 4-5m, much branched, stems puberulent when new, soon

ripening to brownish orange streaked with white

Passiflora × belotii 'Kursk Star'

Registration number: 257 Submission date: 2019-12-30

Submitted and originally grown by: Alexei Miroshnichenko, Russia

Parentage: Passiflora alata

× Passiflora caerulea (Sochi - an unusually pale form)

Confidence of pollen donor: 100% Type: Hybrid



GENERAL INFORMATION	
How is it distinctive ?	Compared with other forms of $P. \times belotii$, this cultivar blooms earlier, has sepals which are pink, not just the petals, and a darker central corona.
Why this name ?	The first registered hybrid from Kursk
Has it been published, patented or granted PBR?	No
Propagation	Clones have been distributed widely within Russia but not elsewhere.
Where was it grown ?	In a pot outdoors, in a chernozem (black soil) region of Russia, with a temperate climate but frosty in winter, so overwintered in a heated greenhouse. or cellar.
Culture requirements	Minimum steady temperature -2°C, can tolerate short spells at -5°C. Distressed over 40°C but survives. Prefers slightly acidic or neutral soil, humidity 30-70%.

Diameter 11cm Peduncle length 4cm

Colour of petals Pink above, usually mid-pink but sometimes darker (see photographs)

Colour of sepals Similar to petals, but with some white at base and apex. Margins may be green

2 outer series 2.5cm, green at tips, next band mottled white and bluish-purple, Coronal series

then white, then by deep plum/ purple; 2 inner series <1cm, deep plum

Scent Similar to the smell of incense, but more fruity.

Bloomed in first year. Flowers Feb-Nov indoors, from July in open ground, Flowering

from June in a greenhouse. Single, open for 1 day.

Concave, light green, usually without nectar glands Bracts









LEAVES AND OTHER DETAILS

Leaf length 10cm Leaf width 10cm Lobes

3, broad

Further leaf details The leaves are dense, dark green above, lighter below.

Petioles 6cm, 1-4 glands, random

Stipules 1-2 cm, semi-circular, elongated, soon deciduous

Vine In the sun, the vine's colour becomes reddish. It grows 5-6 metres per season.

The stems are slightly ribbed, slightly faceted in cross section.

Fruit Green, 5cm x 3cm

Passiflora miniata 'Xishuangbanna Red'

Registration number: 258

Submission date: 2019-09-22

Submitted and originally grown by:

Fuchuan Wu, China (PRC)

Parentage: Passiflora miniata

(see Note at foot of opposite page)

× Passiflora miniata

Type: Tetraploid selection

Confidence of pollen donor: 100%





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How is it distinctive?

Why this name?

Similar or slightly larger dimensions than P. miniata, but more substantial - a

typical flower weighs 6.8g versus 4.7g for P. miniata

From its colour and the garden and prefecture where it was created.

Has it been published, patented or granted PBR? No

Propagation

About 100 clones, all at Xishuangbanna Tropical Garden. For how the original

cultivar was created, see Creation of the Cultivar overleaf

Where was it grown?

At Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences.

Tropical monsoon climate, altitude 580m

Culture requirements

Minimum temperature 5°C; full sun for optimal growth and flowering. A temperature over 15°C will keep it growing and flowering as the days get shorter, Prune when growth excessive; this will encourage further flowering for a while.

Diameter 12cm
Peduncle length 5cm

Colour of petals Scarlet

Colour of sepals Adaxial: scarlet; abaxial: yellow-green along central keel, shading to white or

scarlet at margins. Awn short, green

Coronal series 2 outer series, both 2cm, thicker than on *P. miniata*, erect, purple at apex,

white at base, reddish between; 1 inner series 1.5cm, white.

Flowering Single. Main flowering period February-April.

Bracts 3.5cm, yellow-green at base, shading to reddish at apex. 12 small glands along

apical margins, 2 larger glands at base





LEAVES AND OTHER DETAILS

Leaf length 8.5cm
Leaf width 5cm
Lobes 1, broad

Further leaf details Blade papery, margin irregularly serrate, surface densely tomentose

Petioles 1cm, 1-4 glands at base

Stipules About 0.5cm, hook-shaped, soon deciduous

Vine Green, terete

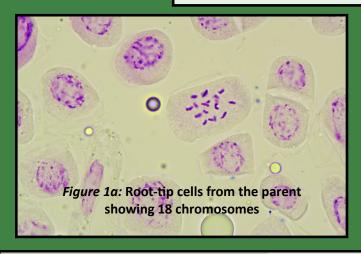
Fruit Fruits subglobose; only produced when pollinated by P. miniata, and then seed-

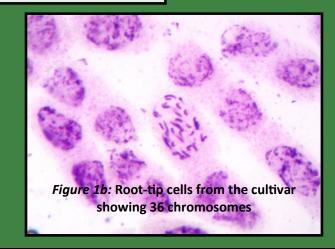
less.

NOTE

The photograph above comparing cultivar and parent shows that the latter is indeed *P. miniata*, as stated on the original application form, despite a later suggestion that it might have been *P. coccinea*. For a discussion of the difference, see the article on p6.

P. 'Xishuangbanna Red' (continued)





CREATION OF THE CULTIVAR

Notes based on information kindly supplied by the breeder

Seeds from the parent *Passiflora miniata* were planted in the matrix, and when the seedlings had just grown their first true leaf, cotton wool balls impregnated with colchicine were placed on the growing point. The characteristics of the treated seedlings were examined and compared with those of the original variety for the first selection.

Then to identify their ploidy, the selected seedlings were first subjected to root tip compression tablets and photomicrographed with results such as those shown in Figures 1a and 1b above. Figure 1a shows the parent, with just n=18 chromosomes, and Figure 1b the cultivar, with 2n=36 chromosomes, indicating that the cultivar is a tetraploid.

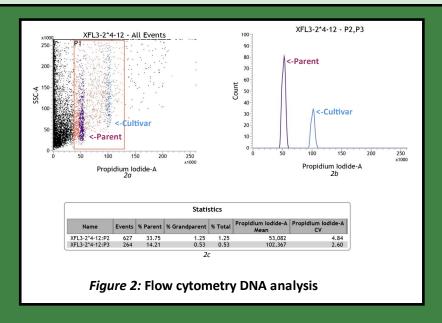
FLOW CYTOMETRY

The DNA of both parent and cultivar was then examined using flow cytometry, with similar results - see Figure 2 below.

Flow cytometry (FCM) is a tool for rapid detection and characterization of cells based on their light scatter and fluorescence properties. Information about cell number, size, macromolecular content, and genetic identity can be determined through use of various labels, stains, and probes, at a rate of hundreds or thousands of cells per second. The particles of the sample are brought to flow in a single file in a core of a narrow stream of liquid and pass individually through a beam of light, typically a laser. Optical signals from the interaction between particles and light are then steered by the optical system to spectrally separated detectors (photomultiplier tubes or photodiodes), and there transformed into electrical pulses which are then electronically processed. The results are displayed as histograms, scatter diagrams or the like, such as those shown.

FURTHER READING

King, Leslie A. and Myles S. Irvine 2010. Investigation of Passiflora hybrids using flow cytometry. Passiflora 20(1): 5-11



JILLEZ RETENIR L'ORIGINAL ET PHOTOCOPIER AU BESOIN	🕜 Uniquement pour faciliter la préparation 🔏	
Śnaroz votro Domando d'Enrogistroment	La demande elle-même doit être soumise sur le formulaire en ligne à www.passifloracultivars.org	
éparez votre Demande d'Enregistrement version 16/06/2021	Seulement les champs marqués d'un * sont obligatoires,	
Francais	mais plus vous entrez, plus le registre sera utile	
1: Demandeur	(Messages de guidage/suggestions)	
Prénom	(messages ac ganaage) saggestions/	
Nom de famille		
Adresse du demandeur		
Adresse postale		
Ville		
État/Province		
Pays		
Adresse mél		
Numéro de téléphone		
L'éleveur s'il diffère du demandeur		
Prénom		
Nom de famille		
Si l'éleveur est différent du demandeur:		
* Je confirme que l'éleveur a autorisé cette demande	Oui /non	
* Adresse mél de l'éleveur		
Où a grandi le cultivar ?	dans la maison / jardin d'hiver / serre avec chauffage / serre sans chauffage / en plein	
Dans quelle région, climat, zone de rusticité, altitude?		
2: Cultivar		
Nom proposé - doit être original	par exemple 'Jeanette'	
	Ex: ma mère, la couleur, où je l'ai trouvé	
Demande a été déposée pour un brevet ou certificat d'obtention (droit		
de sélectionneur de plantes) ou a porté un autre nom ?	, , , , , , , , , , , , , , , , , , , ,	
Il a été publié ?	Date et référence complète. Ex: Lynch, Gardener's Chronicle 42: 274 1907	
Informations de propagation	Combien de clones existent ? Comment se fait-il pour être multiplié et distribué ?	
Genre de cultivar	Hybride / Sport / Sélection	
Parent femelle		
Parent mâle		
À quel point êtes-vous certain du parent mâle ?	0% meilleure supposition, 25% probable, 50% très prob., 75% presque certain, 100% aucun doi	
Est votre cultivar hybride complexe ou polyploïde ?		
Comment est-il distinctif ?		
3: Fleur		
Diamètre de la fleur en cm	en cm	
Longueur du tube floral en cm	en cm	
Longueur du pédoncule en cm	en cm	
	Côté inférieur/abaxial ainsi que haut/adaxial si différent	
Couleur des sépales	Côté inférieur/abaxial ainsi que haut/adaxial si différent	
	Nombre de séries et leur coloration	
Description du parfum	Description du parfum	
	À quel âge la première fleur s'est-elle épanoui? Quels mois est-il en fleur? Combien	
	nombreux sont les fleurs? Sont-elles en racèmes ?	
Photo tout droit	Sélectionnez l'image d'une fleur	
	Sélectionnez l'image d'une fleur	
	Taille, forme, couleur, nectaires	
4. Feuille		
Largeur de la feuille	en cm	
Longeur de la feuille	en cm	
Longueur du pétiole	en cm	
Nombre de lobes	ex: 3	
- forme	mince / moyen / large / divers/ transverse / autre	
Si autre, précisez	Nommer ou décrire le type de feuille	
Détails de la feuille	Couleur, texture, marge	
Photo d'une feuille	Sélectionnez l'image d'une feuille	
Glandes de pétiole	Glandes de pétiole	
	Taille, forme	
	Sélectionnez l'image des stipules, de la vigne, etc.	
Vigne	Couleur, forme, texture, vigueur	
5. Fruit etc	, very warm warm	
Couleur de fruits non mûrs/mûrs	ex: vert affinage d'or	
Largeur	en cm	
Longueur	en cm	
	Sélectionnez l'image d'un fruit	
Photo d'un fruit		
Photo d'un fruit Détails du fruit	Couleur des graines et arilles, saveur	
Photo d'un fruit Détails du fruit Exigences de culture		

Seedbank News

Have you got seeds to donate?

Then the seedbank managers would love to hear from you - just drop a line to one of the contacts below!

North American Seedbank News

We were delighted to announce earlier the reopening of our North American seedbank in February 2021, with Bob Holzinger as Seedbank Manager. The results were excellent, and he expects to hold another sale this summer, with a further sale in the winter if demand continues to justify it. Supply is important too, so please contact him at AmericanSeedbank@passiflorasociety.org if you have any seeds to offer, especially of rarer species.

South American Seedbank News

Sergio Lloreda continues to explore possibilities in South America. If you are interested, please contact him at conference@passiflorasociety.org.

European Seedbank News

Sal LaDelfa, our European Seedbank Manager, held yet another successful sale in February 2021. He had anticipated a few problems due to the pandemic, Brexit and other changes in regulations, but on the whole things went more smoothly than expected. He stresses, however, the importance of opting for the tracked/signed-for option if you wish to guard against your order going astray. If you have any seeds to offer, please contact him at EuropeanSeedbank@passiflorasociety.org.

Quality Control and Germination Research

To help us maintain the quality of our seed, and assist research on germination, seedbank users may be asked to fill out a simple feedback form.



In view of the continuing risks, restrictions and uncertainties relating to travel and meetings due to Covid-19, it has been thought wisest to postpone further the conference that would have been held this October at Saint-Jory in south west France to the new dates Friday 16th to Sunday 18th September 2022.

As before the conference will be hosted by Christian Houël, but will now be held at Montauban, a few miles further north, with the kind assistance of <u>Les Fleurs du Sud</u>. The structure will be similar, with Saturday 17th as the main day, with visits to the collection, meetings and dinner. A range of optional activities will be offered on the Friday and Sunday.

This is disappointing to all of us, not least to Christian who has put in so much work organising it, but we hope you will understand.

Further details will be announced in the autumn, when registration will reopen. Those who have already registered for the St Jory conference will be invited to update or cancel their registration as they wish.

Support Our Work: Join PSI

Following feedback from our members you can now choose between these new membership options, which replace all previous options:

Full

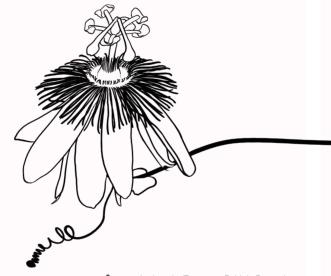
- priority access to the seedbanks
- hard copy of each current newsletter
- digital back numbers, and other publications
- attend PSI conferences and meetings
- vote and stand for committee membership
 - US\$30* per year by PayPal subscription, or
 - US\$135* per 5 years by Bank Transfer

Digital

- as Full, but digital newsletter only
 - US\$20* per year by PayPal subscription
 - US\$90* per 5 years by Bank Transfer

Basic

- ordinary access to seedbanks
- updates and periodic special offers
- attend meetings (but not conferences)
- Free



*or equivalent in Euros or British Pounds

Donations

• In addition to the above, PSI is particularly grateful to those who can make donations, whether in the form of labour, seeds (see opposite) or cash donations (see below). Without such voluntary contributions PSI would not exist.

Visit <u>www.passiflorasociety.org/join</u> to find out more and become a member, or <u>www.passiflorasociety.org/donate</u> to make a donation.

Publications Available Online To Premium Members

For private study and non-commercial research only subject to copyright fair dealing rules

www.passiflorasociety.org/psi-publications

Passiflora (this newsletter)

issues from 1991 to date, including special issues

Passiflorunde

issues from 1993 to 2013 including special issues and indexes

Passiflora Online Journal

issues from 2011 to 2017

Curtis's Botanical Magazine

Passiflora illustrations and descriptions 1787 onwards (forthcoming)

Other useful sources and information, such as

- Killip The American Species of Passifloraceae Volumes 1 and 2, plus Supplemental Notes (forthcoming)
- Adenia articles and references (forthcoming)

Cultivar registers and lists (available to all, including non-members)

www.passifloracultivars.org (available to all, including non-members)

- Cultivar registers and list
- Application form to register new cultivars

Additional material and suggestions welcome!

