

ISSN 2447-536X

Ornamental Horticulture

REVISTA BRASILEIRA DE HORTICULTURA ORNAMENTAL

Ornam. Hortic.	Viçosa-MG	v.28	n.3	p. 289-384	Jul-Sept	2022
----------------	-----------	------	-----	------------	----------	------

Sociedade Brasileira de Floricultura e Plantas Ornamentais

Ornamental Horticulture
Revista Brasileira de Horticultura Ornamental
Sociedade Brasileira de Floricultura e Plantas Ornamentais,
1995

v.28, n.03, 2022
ISSN: 2447-536X

1. Horticultura. 2. Floricultura, 3. Plantas Ornamentais,
4. Paisagismo. 5. Jardins. I. Sociedade de Floricultura e Plantas
Ornamentais

Indexação: AGRICOLA
AGRIS
BINAGRI
CABI
DOAJ
EMERGING SOURCES CITATION INDEX
GOOGLE SCHOLAR
LATINDEX
SCIELO
SCOPUS

EDITORIAL COMMITTEE

EDITOR-IN-CHIEF

Dr. Márkilla Zunete Beckmann-Cavalcante

ASSOCIATE EDITOR

Dr. Patrícia Duarte de Oliveira Paiva

ASSISTANT EDITOR

Dr. Armando Reis Tavares

AREA EDITORS

Biotechnology

Dr. Bruno Trevenzoli Faveiro | University of Copenhagen, Copenhagen, Denmark

Dr. Fernanda Carlota Nery | Universidade de São João del-Rei (UFSJ), São João del-Rei-MG, Brazil

Dra. Maurecilne Lemes da Silva Carvalho | Universidade do Estado de Mato Grosso (UNEMAT), Tangará da Serra-MT, Brazil

Botany

Dr. Carmen Silvia Zickel | Universidade Federal Rural de Pernambuco (UFRPE), Recife-PE, Brazil

Economy and Commercialization

Dr. Paulo Rodrigo Ramos Xavier Pereira | Universidade Federal do Piauí (UFPI), Bom Jesus-PI, Brazil

Landscaping

Dra. Lúcia Maria de Siqueira Cavalcanti Veras | Universidade Federal de Pernambuco (UFPE), Recife-PE, Brazil

Dr. Joelmir Marques da Silva | Universidade Federal de Pernambuco (UFPE), Recife-PE, Brazil

Plant Breeding and New Crops

Dr. Alejandro Salvio Escandon | Instituto Nacional de Tecnología Agropecuaria, Buenos Aires, Argentina

Dr. Elisabeth Regina Tempel Stumpf | Instituto Federal Sul Rio-Grandense - Visconde da Graça, Pelotas-RS, Brazil

Plant Diseases and Pests

Dr. Silvia Regina Galleti | Instituto Biológico (IB), São Paulo-SP, Brazil

Dr. José Eudes de Moraes Oliveira | Embrapa Semiárido, Petrolina-PE, Brazil

Plant Physiology

Dr. Ana Maria Mapeli | Universidade Federal do Oeste da Bahia (UFOB), Barreiras-BA, Brazil

Plant Propagation and Plant Nutrition

Dr. Paulo Fernandes Boldrin | Universidade de Rio Verde, Faculdade de Agronomia, Rio Verde-GO, Brazil

Dr. Petterson Baptista da Luz | Universidade do Estado de Mato Grosso (UNEMAT), Cáceres-MT, Brazil

Plant Science

Dr. Gilmar Shafer | Universidade Federal do Rio Grande do Sul (UFRGS), Porto Alegre-RS, Brazil

Dr. Márkilla Zunete Beckmann-Cavalcante | Universidade Federal do Vale do São Francisco (UNIVASF), Petrolina-PE, Brazil

Postharvest

Dra. Claudia Fabrino Machado Mattiuz | Escola Superior de Agronomia "Luiz de Queiroz" (ESALQ), Piracicaba-SP, Brazil

Dr. Iftikhar Ahmad | University of Agriculture Faisalabad Pakistan, Paquistan

Turfgrass

Dr. Leandro José Grava de Godoy | Universidade Estadual Paulista (UNESP), Registro-SP, Brazil

BOARD - SPFPO

President: Dr. Petterson Baptista da Luz

Vice-president: Dr. Larissa Leandro Pires

1st. Secretary: Dr. Elka Fabiana Aparecida Almeida

2nd. Secretary: Dr. Patrícia Duarte de Oliveira Paiva

1st. Treasurer: Dr. Simone Novaes Reis

2nd. Treasurer: Dr. Márkilla Zunete Beckmann-Cavalcante

Executive-Secretary: Dr. Gláucia Moraes Dias

Address:

Sociedade Brasileira de Floricultura e Plantas Ornamentais, Av. Ph Holfs, Viçosa, Minas Gerais

E-mails: editor.ornamentalhorticulture@gmail.com, revista.ornamentalhorticulture@gmail.com

Front cover: Plant breeding

Photo: 1 ©ILVO Emmy Dhooghe; 2: Talles Henrique de Oliveira Pinto 3: ©ILVO Katrien De Gussem

Technical processing: Priscila Belavenute

SOCIEDADE BRASILEIRA DE FLORICULTURA E PLANTAS ORNAMENTAIS

ORNAMENTAL HORTICULTURE
(Revista Brasileira de Horticultura Ornamental)

v.28, n.3, July-Sept 2022

EDITORIAL Two hundred years since the birth of Mendel: who he was and where we have come from his works THIAGO ALEXANDRE SANTANA GILIO; PETTERSON BAPTISTA DA LUZ.....	295
Ornamental plant breeding: entering a new era? JOHAN VAN HUYLENBROECK and KRISHNA BHATTARAL.....	297
Yield and quality of gerbera floral stalks in substrate supplemented with different doses of nitrogen and calcium MARÍLIA MILANI, ELISANDRA MARIA PRADELLA, WILLIAN HEINTZE, GILMAR SCHAFER, SIDINEI JOSÉ LOPES, RENAR JOÃO BENDER.....	306
Morpho-anatomical and biochemical characterization of <i>Strelitzia reginae</i> seeds and embryos MARISA TANIGUCHI, PATRÍCIA DUARTE DE OLIVEIRA PAIVA, DIOGO PEDROSA CORRÊA DA SILVA, FERNANDA CARLOTA NERY, RENATO PAIVA, MICHELE VALQUÍRIA DOS REIS.....	314
Pre and post-harvest effect of gibberellic acid and salicylic acid on cut branches of <i>Asparagus umbellatus</i> MITRA AMIN, ROOHANGIZ NADERI, SHAHRAM SEDAGHATHOOR, SEPIDEH KALATEHJARI.....	323
Controlled release, organic or organomineral fertilizers for areca palm production MARCELO VIEIRA FERRAZ, LEANDRO JOSÉ GRAVA DE GODOY, GIOVANA STUCCHI, ANTONIO GABRIEL PONTES DOS REIS, MARCO AURÉLIO AMADO PACHECO.....	332
Nutrients uptake by silver vase bromeliad roots JORGE LUIZ MARX YOUNG, MATHEUS CASARINI SIQUEIRA, SHOHEY KANASHIRO, EMERSON DA SILVA, ARMANDO REIS TAVARES.....	340
Involvement of auxins in <i>Impatiens walleriana</i> plants grown in different plug tray systems during nursery MÁXIMO SALINAS, GUIDO HAKIM, ESTEBAN GANDOLFO, JUAN DE LOJO, ERNESTO GIARDINA, ADALBERTO DI BENEDETTO.....	347
Phenology of <i>Solidago canadensis</i> L. and <i>Delphinium elatum</i> cultivated under greenhouse conditions and association with micro-climate variables NELLY MELISSA COLLAGUAZO-LITA, EVELIN ESTEFANÍA SALAZAR SOTO, STALYN WLADIMIR TIPÁN ACERO, MICHAEL AYALA-AYALA, MARÍA EUGENIA ÁVILA-SALEM, MARÍA YUMBLA-ORBES.....	359
Germinative potential of ‘Pata-de-Vaca’ seeds at different maturation stages under various temperatures HUGO ROLDI GUARIZ, GABRIEL DANILO SHIMIZU, JEAN CARLO BAUDRAZ DE PAULA, HUEZER VIGANÔ SPERANDIO, RODRIGO YUDI PALHACI MARUBAYASHI.....	371
SCIENTIFIC REVIEWERS	380
AUTHORS GUIDELINES	381