

**Special Issue**  
**Ornamental Horticulture**

<https://ornamentalhorticulture.emnuvens.com.br>

**“Substrates, fertilization, efficient use of water and soilless cultivation for  
ornamental pot plant production”**

**Call for Papers**

Ornamental Horticulture is seeking submissions for a special edition titled **“Substrates, fertilization, efficient use of water and soilless cultivation for ornamental pot plant production”**. This issue seeks contributions that explore the most recent studies in flower, foliage, and ornamental plant growing in substrates, fertilization, soilless cultivation and containers. Specifically, it searches for manuscripts that present advances, new techniques and technologies, products, processes, analysis, and new applications in flower, foliage, and ornamental production. Since environmental sustainability is nowadays very important to all areas of knowledge, papers that focus on it will be appreciated.

Thus, the Ornamental Horticulture journal seeks high quality original scientific and technical papers from national and international experts in horticulture, with the purpose of summarizing recent achievements in these fields. Potential topics regarding this special issue could include, but are not limited to:

**Potential topics:**

- Evolution in the use of substrates;
- Substrate analysis;
- Plant behavior under intensive cultivation conditions;
- Organic production in systems using substrates;
- New technologies in the production of seedlings and cultivation in containers;
- Growing media and sustainable use of resources;
- Fertilization and water management;

- Hydroponics (Advances and innovations in the system including the structural part and containers for plant growth; Management of mineral nutrient solutions for different plant species requirements);
- Irrigation and fertigation – system optimization – avoiding waste;
- Phytosanitary and substrate management;
- Process management in the production of seedlings and cultivation in containers;
- Transportation and commercialization;
- Microorganisms and substrates;
- Economic analysis;
- Soilless cultivation;
- Agrotechnology;
- Horticulture 4.0.;
- Systems automation.

#### **Important Dates**

Full paper submission deadline: December 31, 2021

#### **Publication**

*Ornamental Horticulture*, v.28, n.2, 2022

#### **Submission Procedures**

- Manuscripts preparation: see Authors Guideline on the website <https://ornamentalhorticulture.emnuvens.com.br/rbho/about/submissions#authorGuidelines>.
- Papers that are not in adequate format may be rejected, but the author may re-submit before the submission deadline.
- Manuscripts must to be written in English.
- Papers submitted must not be submitted or has not been copyrighted or published elsewhere.

- Manuscripts should be submitted only by using the online submission system: <https://ornamentalhorticulture.emnuvens.com.br/rbho/index>
- Submitted papers to this special issue will be peer reviewed based on quality, originality, organization and writing with clarity. **Quality on English version is also required.**

### **Attention:**

Submitted articles that test different "plant substrates" must present in their methodology, at least, the chemical and physical characterization composed of the following items: pH, CE (most used methods 1:5, 1:2, paste saturated and PourThru), bulk density, water retention curve (total porosity, air space, available water and remaining water). The methodology for its determination must follow the official standards and internationally accepted methodologies for "substrate for plants". Soil methodologies will not be accepted.

---

Editorial Board of Ornamental Horticulture