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**Morpho-physiological plant quality when biochar and vermicompost are used as
growing media replacement in urban horticulture**

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Highlights:

- Biochar and vermicompost are good peat substitutes in urban horticulture.
- Plants show a similar or enhanced morpho-physiological response.
- Pertinent to reduce peat usage in the production of containerized bedding plants.
- Relevant to store carbon for large periods of time in urban gardens.

ABSTRACT

Peat moss is the most used soilless substrate in the production of container plants in floriculture. Nevertheless, the drainage of peat bogs due to the peat extraction has increased the necessity of

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