

BANGLADESH

Principal Investigator: Dr. Kalyani Tripathi (Project 2)

Internship Title: Quality planting materials and growing media for urban horticultural development.

Time Period: August 2025

Project Background: Urban environments often present unique challenges such as limited space, pollution, and temperature fluctuations, so making the right choices is essential. Selecting quality planting materials and appropriate growing media is crucial for successful urban horticultural development. Ultimately, the success of urban horticultural development depends on careful planning, attention to detail, and ongoing monitoring and adjustment. By selecting quality planting materials and growing media, one can create thriving urban gardens and green spaces that enhance the quality of life in your community. Urban horticulture can be experimental due to the unique conditions of city environments. Therefore, one should be open to trying new plants and growing media based on your observations and experience. Thus, it is essential to have sufficient knowledge on the criteria of selecting quality planting materials and healthy growing media preparation for sustainable urban horticultural development. It not only ensures the health and vitality of plants but also has broader implications for environmental, aesthetic, and community benefits in urban areas.



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Research Question(s) or Specific Issues to be Addressed	Range of Acceptable Disciplines	Deliverables
<p>The selected intern student will work on analyzing the barriers and challenges in developing urban horticultural development in Bangladesh. Furthermore, the importance of selecting quality planting materials and healthy growing medium for sustainable urban horticultural development will be addressed.</p>	<p>Agricultural science (horticulture, soil science, environmental science, and plant biological)</p>	<p>The intern student will train a group of community people living in urban areas and the small nursery entrepreneurs in Bangladesh focused on criteria of quality planting materials selection, healthy growing media development processes and finally the criteria of selecting fruits and vegetables species for urban horticultural development. The graduate research intern will also be responsible for delivering lectures to the selected undergraduate and graduate students of the Department of Soil Science and Department of Horticulture of Bangladesh Agricultural University (BAU) regarding the barriers and potentials of urban horticulture in Bangladesh. Finally, the graduate intern will be responsible for the development of two different leaflets (which will highlight the importance and ways of quality planting materials selection and healthy growing media preparation), which will be disseminated among the participants and local stakeholders.</p>



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