

An Investigation into Creating a SMART Sustainable City (Daffodil International University Initiative)

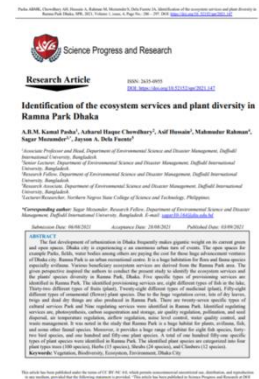
Title

Identification of the ecosystem services and plant diversity in Ramna Park Dhaka

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ABSTRACT: Dhaka city is experiencing e an enormous urban turn of events. The open spaces for example Parks, fields, water bodies among others are paying the cost for those huge advancement ventures of Dhaka city. Ramna Park is an urban recreational centre. It is a huge habitation for flora and fauna species especially avifauna. Various beneficiary ecosystem services are derived from the Ramna Park area. The given perspective inspired the authors to

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conduct the present study to identify the ecosystem services and the plants' species diversity in Ramna Park, Dhaka.

INTRODUCTION: Natural assorted variety or biodiversity is the quantity of various types of flora and fauna in an ecosystem. However, the particular hereditary varieties and attributes of species such as the gathering of species in the biological systems. Biodiversity is very vital to maintain the balance of the ecosystem as it is where all symbiotic relationships of the living and non-living things exist.

METHODOLOGY: The study was carried out in the Ramna Park (23.7375449N, 90.4011081E) which is situated in central Dhaka, Bangladesh. After the production of Pakistan in 1947, the Ramna zone kept on possessing a significant spot throughout the entire existence of Dhaka city.

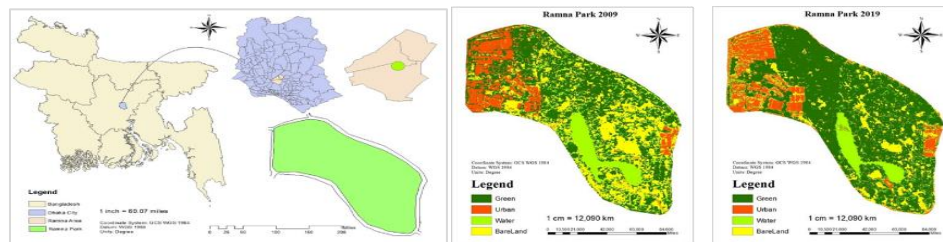


Fig. Analyzed ecosystem services of Ramna Park

RESULT AND DISCUSSION: This section simply tried to demonstrate the outcomes or the results of the study. At first, the section categorized the identified ecosystem services into provisioning services, regulating services, cultural services, and supporting services. The section demonstrated the plant diversity pattern throughout Ramna Park and made a list of the identified plant species in the Park. Finally, the section did the ecosystem valuation by following the Millennium Ecosystem Assessment (ME) and the Total Economic Value (TEV) framework

CONCLUSION: As the territory is ensured, need ought to be given on local compromised plant species during further estate. The nearness of fascinating plant species in the recreation centre zone is the test for the future regular habitat of the recreation centre. Step by step fascinating substitution should be possible by planting local multipurpose plant species.