

The Science Strategy of the New York Botanical Garden

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The New York Botanical Garden has recently developed a Science Strategy that outlines a comprehensive vision for advancing botanical research to address critical challenges facing plant and fungal diversity worldwide, aligned with our new Institutional Strategic Plan. Grounded in our mission to “advocate for the plant world”, the strategy sets seven priorities to guide NYBG Science through 2030: 1) Biological Diversity and Evolution, to continue discovering, documenting and illuminating the evolution of plant, algal, and fungal diversity; 2) Integrative Biodiversity Research, to guide biodiversity exploration across scales from molecules to ecosystems; 3) Plants, People & Culture, to address important global issues at the intersection of humans and plants, such as food security, and climate adaptation and resilience; 4) Conservation & Restoration Ecology, to stem biodiversity loss, mitigate and adapt to climate change, and to redress environmental justice; 5) Science & Humanities Collections, to continue enabling the use of our unparalleled resources for discovery and scholarship on the diversity and conservation of plants and fungi; 6) The NYBG Botany School, to continue training future botanists; and 7) Outreach & Engagement: Building the “NYBG Science” Brand, to allow us to engage local interests, educate scientific literacy and inspire a love of nature by connecting people, plants, and their stories. The successful implementation of these priorities requires maintaining and expanding our infrastructure in areas such as computational and geospatial resources, research laboratory and collections facilities, and information management systems. Regarding collaborations and partnerships, we will build and strengthen strategic meaningful alliances, foster synergies, and catalyze collective action to deliver world-class science, address pressing environmental challenges, conserve biodiversity, and promote the sustainable management of natural resources. By pursuing this new strategy, we will continue advancing knowledge of plants and fungi, to preserve biodiversity for the benefit of humanity, ensuring a sustainable future for all.