## A person in a suit and glasses Description automatically generated**Sanjay SWARUP**

### **Associate Professor**

**Contact Information:**

Department of Biological Sciences  
National University of Singapore  
14 Science Drive 4  
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**Lab:** [Sanjay Lab](http://openwetware.org/wiki/User:Sanjaylab)

**Additional Affiliations:**

Director, NUS Environmental Research Institute, National University of Singapore, #02-03, T-Labs 5A Engineering Drive 1, Singapore 117411

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**CURRICULUM VITAE**

**Personal Details:**

**Name:** Sanjay Swarup

**Title:** Associate Professor

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**Current Position/Affiliations:**

Associate Professor (100% in Singapore)

Department of Biological Sciences

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Director

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Director, Graduate Program

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**Employment history:**

Associate Professor: 2004-present, National University of Singapore

Assistant Professor: 1998-2004, National University of Singapore

Senior Lecturer: 1997-1998, National University of Singapore

Lecturer: 1994-97, National University of Singapore

Postdoctoral Fellow: 1991-94, Waksman Institute, Rutgers University, USA

**Academic qualifications:**

Ph.D. 1991 Univ. of Florida, Gainesville, Florida. Plant Pathology.

Ph.D. 1990 Indian Agricultural Research Institute, New Delhi, INDIA. Genetics

M.Sc. 1985 Indian Agricultural Research Institute, New Delhi, INDIA. Genetics

B.Sc. (Ag.) Hons. 1983 Punjab Agricultural University, Ludhiana, Punjab, INDIA

**Research interests:**

My lab is involved in studying the ecology of mixed microbial communities in the environment and agriculture from genes to ecosystems level scales. Our focus is to determine mechanistic basis of ecosystem functioning especially the role of phytobiomes and microbiomes in order to provide transnational tools and explanations for policy and management decisions. We are taking a multidisciplinary approach by incorporating hydrology, robotics and AI, meta-genomics, metabolomics, computational, and high-resolution imaging to study these interesting biological systems. These programs are shaped by my training in field-based themes of plant breeding plant pathology combined with lab-based training in molecular biology.