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FIRST REPORT OF *Colletotrichum* sp. ON LEAVES OF *Solanum argenteum* (*Solanaceae*) FROM THE STATE OF RIO DE JANEIRO, BRAZIL.¹ / Primeiro relato de *Colletotrichum* sp. em folhas de *Solanum argenteum* (*Solanaceae*) do Estado do Rio de Janeiro, Brasil. C.M.X. FARIA²; J. REMBINSKI²; T.A. AMORIM³; C.A. INÁCIO². ²Sector of Plant Pathology, Mycology, DENF/ICBS/UFRRJ / ³Botanical Department, DB/ICBS/UFRRJ - BR 465, Km 7, Campus, Rural Zone, 23851-970, RJ, Brazil. E-mail: cmxfaria@msn.com

An interesting species of the genus *Colletotrichum* (*Glomerellaceae*, *Fungi*), was found associated to leaf spots of *Solanum argenteum* (*Solanaceae*) collected in the Conservation Unit of the Atlantic Forest - Parque Natural Municipal do Curió, Paracambi, RJ, Brazil. The *Solanum argenteum* (*Solanaceae*), popularly known as “*Solanum prata*” (because of the silver appearance at lower leaf side), is a native and endemic tree of Brazil found in the Cerrado and in the Atlantic Forest, generally close to water courses. Its flowering is white and produces small greenish fruits appreciated by the birds of our fauna. Symptomatic leaves were taken to the Laboratory of Plant Pathology (Mycology Section), Department of Entomology and Plant Pathology - DENF/ICBS/UFRRJ and studies using optical, electron and dissecting microscope techniques were done. This species will be presented and its taxonomy discussed. Description: *Leaf spots*, up to 10 mm diam, necrotic, light-brown to brown, adaxial leaf surface. *Setae* 34-53 × 5 µm, brown. *Acervuli* 29-60 × 60-84 µm, subcuticular. *Conidiogenous cells* 14-25 × 4-5 µm, lageniform to cylindrical, hyaline, smooth. *Conidia* 12-18 × 4-7 µm solitary, hyaline, aseptate, cylindrical, guttulate, smooth, thin-walled. In culture [PDA (potato-dextrose-agar) after 10 days/dark/25°C ± 2°C]: *Colonies* up to 80 mm diameter, with white aerial mycelium, cottonose, forming conidial cirrus in concentric lines, orange and with orange reverse side. *Appressoria* 4-10 × 5-8 µm, brown, often irregular, grouped in complex chains, rarely solitary. *Conidia* 12-15 × 3-6 µm, hyaline, solitary, aseptate, cylindrical, smooth, thin-walled.

Key words: Atlantic Forest; *Colletotrichum* sp.; Phytopathology; *Solanum argenteum*; Taxonomy.

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