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## Physical and Chemical Characteristics of Soil for Mangrove Transplantation in Myanmar

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In Myanmar, mangrove afforestation was conducted over a large area, i.e. 1,154 ha from 2013 to 2017 in order to protect the coastal functions as part of Japanese Official Development Assurance (ODA). Two species of mangrove were planted: *Sonneratia caseolaris* and *Avicennia officinalis*; because they take root and grow quickly, and there was a good supply of seeds. In the one to two years after planting, however, there were variations in the survival rates among the mangroves. To elucidate the differences, the physical and chemical factors of the soils were examined. As a result, five soil factors that affect the survival rates were estimated. These findings may contribute to selecting suitable places for future mangrove afforestation.