We consider in a Banach space $(X, \|.\|)$ the semilinear differential equation

$$x'(t) = Ax(t) + F(t, x)$$

where A is an exponentially stable linear operator with domain dense in X and F is a jointly continuous function of (t, x). First, we assume that $F(t, x)$ satisfies a lipschitz condition on the second variable uniformly in the first variable and that it is almost automorphic in t for each x. Using the Banach's fixed point theorem, we prove both the existence and the uniqueness of an almost automorphic mild solution to the above equations. Second, when F is not necessarily lipschitzian, but of the form $P(t)Q(x)$, under appropriate conditions on both $P(t)$ and $Q(x)$, we obtain existence of almost automorphic mild solutions via the Shauder's fixed point theorem. We give an example of non-uniqueness in this last case.